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YEAR BOOK

OF THE

State of Indiana

FOR THE YEAR

1922

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Compiled and Published under the Direction of

WARREN T. McCRAY

GOVERNOR

BY

THE LEGISLATIVE REFERENCE BUREAU

CHARLES KETTLEBOROUGH, Director

INDIANAPOLIS:

WM. B. BURFORD, CONTRACTOR FOR STATE PRINTING AND BINDING

1923

INTRODUCTION

The Indiana Year Book was provided for and established by an act approved February 24, 1917, and is compiled, published and distributed under the direction of the Governor by the Legislative Reference Bureau. The Year Book is designed to present in a concise and compact form the essential parts of the annual official reports of all of the state offices, boards, commissions, departments, bureaus and institutions, except the educational, benevolent and correctional institutions, whose official reports are issued separately, together with selected information, data and statistics concerning the State of Indiana, its people, resources, government, crops and economic and social conditions. Aside from the institutional reports and special departmental bulletins of a technical or scientific character, no official reports or statistical or other state manuals except those herein contained are published. The first volume of the Year Book was issued in 1918; the present volume, which is the sixth of the series, covers the fiscal year ending September 30, 1922. Each office, board, commission, bureau or department maintained wholly or partly by state funds is required to submit a report to the Governor not later than December 1st, setting forth the duties, functions, personnel, expenditures, income and the character and extent of the achievements and activities of the department during the fiscal year last preceding. These reports are then edited and standardized for publication by the Legislative Reference Bureau. As the Year Book is designed as a manual of the state government, it is hoped that copies may be made available to public officials, newspapers, libraries, schools, colleges and citizens of the state generally. As 10,000 copies of the 1922 Year Book have been issued, persons who are interested may obtain copies free of charge by applying in person or by mail to the Legislative Reference Bureau, Room 335, State House, Indianapolis.

WARREN T. McCRAY,
Governor of the State of Indiana.



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ANNUAL REPORTS
OF
State Officers, Departments,
Bureaus, Boards and
Commissions
FOR THE
Fiscal Year Ending September 30, 1922

REPORT OF SECRETARY OF STATE

OFFICERS AND ASSISTANTS

ED JACKSON, Secretary of State.

P. H. WOLFARD, Deputy Secretary of State.

FRANK DENIUS, Assistant Deputy Secretary of State.

ELIZABETH D. MASON, Stenographer.

FLOSSIE COLLINS LAFKIN, Cashier.

Under the provisions of the Constitution of 1851, a Secretary of State is elected by the voters of the state for a term of two years. The term of office of the present incumbent expires on November 27, 1924.

The duties enjoined upon the Secretary of State by the Constitution and statutes includes the publication and sale of the Acts of the General Assembly; the filing and recording of all certificates and documents relating to private corporations; the issuing of commissions to elective and appointive officers; issuing licenses to operate private detective agencies and licensing of tankage plants.

Added to the foregoing duties are the licensing of motor vehicles and registration of titles to same and also the licensing of the sale of stocks and securities. Owing to the numerous duties imposed upon the Secretary of State, his office has become one of the largest administrative departments of the state government.

The receipts in fees from the corporation department for the year ending September 30, 1922, are as follows:

Domestic Corporation Fees.....	\$193,721 00
Foreign Corporation Fees.....	68,826 46
Miscellaneous Certificates	166 50
Notary Public Commissions.....	5,360 00
Official Commissions	107 60
Warrants on Requisitions.....	267 00
Trade Marks	221 00
Fertilizer Licenses	78 00
Certified Copies	1,871 00
Annual Reports, Domestic	4,215 00
Annual Reports, Foreign	842 00
Sale of Court Reports.....	5,026 50
Sale of Acts of Legislature.....	105 75
Miscellaneous Fees	1,349 61
Total Fees Collected.....	\$282,157 82

The following table represents the appropriations made by the legislature for the expenses of the office, exclusive of the securities and motor vehicle departments, for the last fiscal year, and the amounts expended from said appropriations:

	Appropriation	Expense	Balance
Salary Secretary of State.....	\$6,500 00	\$6,500 00	
Salary Deputy Secretary of State.....	3,000 00	3,000 00	
Salary Assistant Deputy	2,000 00	2,000 00	
Salary Stenographer	1,200 00	1,200 00	
Salary Cashier	1,500 00	1,500 00	
Office Expenses	750 00	633 30	\$116 70
Distribution Public Documents	250 00	250 00	
Distribution Court Reports	250 00	200 00	50 00
Special Recording	600 00	350 00	250 00
Totals	\$16,050 00	\$15,633 30	\$416 70

AUTOMOBILE DEPARTMENT

ROAD FUND

H. D. McCLELLAND, Manager.
 FRANK A. RICHARDS, Assistant Manager.
 JOHN W. PARRETT, Auditor.
 R. R. SINGLETON, Chief Clerk.
 INEZ FLECK, Cashier.
 IVA LEONARD, Assistant Cashier.
 ROSA O'NEAL, Mail Cashier.
 LUELLA GRAHAM, Branch Cashier.
 MILDRED HOOKER, Branch Cashier.
 M. W. PERSHING, Clerk.
 WILLIAM PEIRCE, Clerk.
 A. E. HAWKINS, Shipping Clerk.
 CLYDE L. HURST, Delivery Clerk.
 RAY H. THOMPSON, Delivery Clerk.
 JOSEPH BROYLES, Clerk.
 ANNA WEAVER, File Clerk.
 MARY L. LESLEY, Trouble Clerk.
 NORMA JOLLIFFE, Stenographer.
 NONA T. PARRETT, Notary Public.
 MARY NEWELL, Clerk.
 FANNIE STEVENSON, Clerk.
 LOIS TRITTIPO, P. B. X. Operator.
 JESSIE KENNEDY, Typist.

CERTIFICATE OF TITLE DEPARTMENT

AUTO THEFT FUND

ROBERT HUMES, Chief of Police.
L. CUNNINGHAM, Chief Clerk.
LILLIAN BERKLEY, Branch Cashier.
INEZ WORDEN, Stenographer.
JANE LAWTON, Stenographer.
DORIS CASLER, Stenographer.
HELEN HARDIN, Number Clerk.
EFFIE McGREW, File Clerk.
GEORGIA BRANAMAN, File Clerk.
ELLA CAMPBELL, File Clerk.
LORAN HICKMAN, File Clerk.
DAVID WILKINSON, File Clerk.
WILLIAM E. JONES, Clerk.
R. W. BOSART, Clerk.
PHOEBE BONNER, Clerk.
HELEN NEFF, File Clerk.
LOLA RONK, Typist.
JENNIE OBTOVER, Typist.
LELA WACHSTETTER, Typist.
MILDRED SIMPSON, Typist.
ALICE WIRT, Typist.
AGNES JOHANNIS, Typist.
LOIS ROSEBAUM, Stenographer.
GERTRUDE HULSMAN, Typist.
PEARL CRUTCHFIELD, Typist.
SHIRLEY CRONE, Typist.
DELLA FOX, Clerk.
RAY JACKSON, Clerk.
RICHARD NASH, Janitor.

REGISTRATION OF MOTOR VEHICLES

Every person who is the owner of a motor vehicle is required to register with the Secretary of State by making application on blanks furnished for that purpose, giving his name, postoffice and street or rural address and the county in which he lives. He must give the name of his motor vehicle, year in which it was made, model, engine number, serial number, number of cylinders, size of bore, horse power, and the number of his certificate of title. He is then required to sign the application and have his signature acknowledged by a notary public or other officer authorized to administer oaths. A certificate is given the owner as evidence of ownership of the license, and the same is to be displayed in a metal container to be furnished by the Secretary of State for fee of fifty cents. The container must be attached in the driver's compartment of the motor vehicle, or carried in the tool box or other receptacle in a motorcycle. Upon payment of the proper fee, metal license plates are furnished the owner, which must be displayed on both the front

and the rear of motor vehicle. All licenses expire on the 31st day of December and must be renewed annually.

License numbers preceded by the letter "M" are issued to manufacturers and dealers and are to be used on all cars used for demonstrating and testing purposes only. Service cars and motor vehicles used by individuals for personal use require the regular license plates.

Licenses are issued for motorcycles in the same manner, the applicant giving a description of the motorcycle on proper blanks furnished for that purpose. However, only one license plate is issued for each motorcycle and the number is preceded by the letter "X."

Chauffeurs' licenses are issued upon receipt of proper application accompanied by two photographs of the applicant. The application must also be signed by two disinterested persons, certifying as to the good character of the applicant.

Licenses may be transferred from one car to another when owned by the same person, but under no circumstances are they transferable from one owner to another.

In case a license plate is lost, stolen, mutilated or destroyed, a duplicate may be secured by making application on proper blank. Fee \$1.00.

Rebates will be granted on licenses for the unearned portion of the fee, when the motor vehicle has been disposed of and the owner does not desire to have the plates transferred to another car, provided the license plates are returned to the Secretary of State marked "for rebate" and accompanied by properly executed application for rebate.

Two file systems are maintained for the convenience of the public, one being numerical according to numbers of licenses issued, and the other alphabetically arranged by counties.

The 1919 General Assembly amended Section 6 of the 1913 Motor Vehicle Law, thereby providing a separate classification for trucks and trailers. Application for trucks and delivery car licenses should be made on a distinctive form for that purpose and the fees are applied according to the carrying capacity of the truck or delivery car. Trailer licenses are secured by application on a distinctive form and the fees are based on the carrying capacity of the trailer. No truck or trailer of more than seven and one-half tons capacity is permitted on the highways of the state.

The legislature also passed an act creating a State Highway Commission, providing for the construction, reconstruction, maintenance, repair and control of public highways. This act also provides that the net revenue derived from license fees shall, on and after January 1, 1920, be turned over to the State Highway Fund to be used for road construction and repairs.

The following table gives the schedule of annual registration and license fees applicable to motor vehicles according to horsepower and tonnage capacity, agreeably to an act of the General Assembly of 1921:

PASSENGER CARS

Electrics (other than trucks).....	\$5 00
Less than 25-horsepower.....	5 00
25-horsepower and less than 40-horsepower.....	8 00

40-horsepower and less than 50-horsepower.....	20 00
50-horsepower or more.....	30 00

TRUCKS

Less than one ton capacity.....	\$6 00
1 ton capacity and less than 2 tons.....	15 00
2 tons capacity and less than 3½ tons.....	25 00
3½ tons capacity and less than 5 tons.....	50 00
5 tons capacity and not exceeding 7½ tons.....	75 00

No truck of more than 7½ tons capacity will be permitted on the highways of the state.

TRAILERS

Less than one ton capacity.....	\$3 00
1 ton capacity and less than 2 tons.....	6 00
2 tons capacity and less than 5 tons.....	10 00
5 tons capacity and not exceeding 7½ tons.....	20 00

No trailer of more than 7½ tons capacity will be permitted on the highways of the state.

MISCELLANEOUS

Manufacturers' and dealers' licenses.....	\$25 00
Additional duplicate dealer's license plates, per set.....	1 00
Motorcycle license	2 00
Chauffeur's license	2 00
Duplicate lost, stolen or mutilated license plates.....	1 00

The above fees apply to all applications except for duplicate license plates, made prior to August 1st of each year. After August 1st the license fee is one-half the above rates.

AUTOMOBILE LICENSE DEPARTMENT STATISTICS

Statement of Receipts and Disbursements of the Road Fund Fiscal Year from October 1, 1921, to September 30, 1922.

RECEIPTS

Passenger cars	\$2,168,160 50
Trucks	637,102 50
Dealers' licenses	40,831 50
Motorcycle licenses	12,173 00
Chauffeurs' licenses	29,627 00
Trailer licenses	8,386 50
Duplicate license plates.....	15,368 00
Transfers	61,708 00
*Notary fees	9,711 00
Interest	47,909 46

Gross receipts\$3,030,977 46

DISBURSEMENTS

	Fixed Charges
Tags and badges.....	\$72,763 42
Rebates	25,418 30
	<hr/> \$98,181 72

*Notary fees, previously turned into the General Fund, were made a part of the Road Fund by Act of 1921 General Assembly.

	Current Expenses
Salaries	\$40,633 65
Postage	17,105 37
Printing and supplies.....	8,231 47
Office fixtures	460 50
Office expense	12,084 45
	<hr/> 78,515 44
Total disbursements	\$176,697 16

TOTAL RECEIPTS AND DISBURSEMENTS AND DISTRIBUTION

Automobile License Department—1914 to 1922

Year	Receipts	Disbursements	Distribution
1914	\$432,301 57	\$51,201 56	\$381,104 02
1915	598,113 72	51,640 00	546,473 72
1916	825,847 18	69,149 57	756,697 61
1917	1,109,113 26	68,756 95	1,040,356 31
1918	1,307,134 31	86,301 87	1,220,832 44
1919	1,568,657 44	107,214 27	1,461,443 17
1920	2,029,103 00	110,046 08	*1,919,798 67
1921	†2,379,170 16	†130,259 17	†2,305,545 46
1922	‡3,030,977 46	‡176,697 16	‡2,854,280 30

*Period from January 1 to September 30, 1920.

†Fiscal year from October 1, 1920, to September 30, 1921.

‡Fiscal year from October 1, 1921, to September 30, 1922.

NUMBER OF LICENSES ISSUED

1914 to 1922

Year	Automobiles	Trucks	Dealers	Motorcycles	Chauffeurs	Trailers
1914	66,410		511	10,403	2,769	
1915	96,615		727	11,225	3,099	
1916	139,117		997	11,217	4,362	
1917	192,195		1,121	10,315	5,063	
1918	227,160		990	9,112	4,642	
1919	277,255		1,192	8,895	6,410	
1920	294,338	31,654	1,537	8,664	9,382	
1921	357,025	43,317	1,569	7,524	11,360	1,851
*1922	404,062	55,327	1,696	7,269	15,768	2,412

*Number issued at end of fiscal year, September 30, 1922.

CERTIFICATE OF TITLE DEPARTMENT

The General Assembly of 1921 enacted a law providing that no certificate of registration of any motor vehicle or license plates shall be issued by the Secretary of State, unless the applicant be granted an official Certificate of Title for such motor vehicle. Application for certificate of title shall be on blank form provided for that purpose, and shall be acknowledged before a notary public or other officer empowered to administer oaths, and shall contain a full description of the motor vehicle and of any liens or encumbrances upon said motor vehicle. The Secretary of State shall use reasonable diligence in ascertaining whether or not the facts stated in said application for certificate of title are true, and if satisfied that the applicant is the lawful owner or is otherwise entitled to have same registered in his name, he shall thereupon

issue an appropriate certificate of title. Said certificate of title shall contain the name and address of the applicant and a full description of the motor vehicle together with a statement of any liens or encumbrances which the application may show to be thereon. Space is provided on the reverse side of the certificate of title for assignment of the motor vehicle when the same is sold or traded. The fee for such certificate of title is fifty cents. The certificate of title is valid so long as the motor vehicle is owned by the person whose name appears on such certificate. When the motor vehicle is disposed of, the holder of certificate of title shall assign same to the purchaser of the motor vehicle, and the purchaser shall make a new application for certificate of title and forward same to the automobile department with the assigned title. The fee for such transfer of title is fifty cents. The fees collected from the issuing of certificates of title are used for the administration of the act and the recovery of stolen automobiles and the apprehension of thieves.

The following receipts and disbursements have been made from the Certificate of Title Department for the six months period from June 1st to September 30, 1921:

Receipts	\$365,973 75
Disbursements	108,444 73
	<hr/>
Balance on hand September 30, 1921	\$257,529 02
Receipts fiscal year October 1, 1921, to September 30, 1922.....	\$181,351 78
Disbursements fiscal year October 1, 1921, to September 30, 1922..	119,878 00
	<hr/>
	61,473 78
	<hr/>
Balance on hand September 30, 1922.....	\$319,002 80

MOTOR VEHICLE POLICE DEPARTMENT

Section 6 of the Certificate of Title Act provides that the Secretary of State, with the approval of the Governor, is authorized to appoint necessary deputies, in addition to the present officers of the law, to carry out the provisions of the certificate of title act, who shall have power to investigate and follow up any auto theft matters or other violations of the said act, and shall have all authority of peace officers relative to the provisions of the certificate of title act. They also are required to assist in ascertaining whether the owners and operators of motor vehicles are carrying the license tags which they are by law required to carry.

The state motor vehicle police number seventeen members, who are salaried as provided by the certificate of title act. Thirty additional members of the state motor vehicle police department are attached to municipal police departments and do not draw salaries from the state.

Under the operation of the state motor vehicle police for the period from July 15, 1921, until September 30, 1922, 225 motor vehicles have been recovered and returned to the owners in this state. One hundred twenty-five persons have been arrested by the state motor vehicle police and practically all pleaded guilty to the charge of vehicle taking.

REPORT OF THE INDIANA SECURITIES COMMISSION

THE COMMISSION

ED JACKSON, Secretary of State.

ORA DAVIES, Treasurer of State.

U. S. LESH, Attorney General.

THE ADMINISTRATIVE DEPARTMENT

MAURICE L. MENDENHALL, Administrator.

HERMAN B. GRAY, Assistant Administrator.

HERBERT J. MILLIES, Auditor.

JENNIE V. LAMB, License Clerk.

MARGARET FERGUSON, Stenographer.

The Indiana Securities Commission has been in existence approximately two years. If the flotation of fraudulent securities in the State of Indiana has decreased, if confidence in securities as investments has increased, if legitimate business has benefited, then the enactment of the Indiana Securities Law by the special session of the legislature of 1920 will stand as a landmark in the industrial, commercial and financial development of the state.

The readers of this report are invited to determine this question for themselves by comparing the conditions of today with those existing prior to the enactment of this law.

The Indiana law is not perfect. There will be, however, an earnest effort made to remedy certain defects in existing legislation at the 1923 session of the legislature. These defects are very slight and only actual experience in administration of the law have made them apparent.

SUMMARY OF RECEIPTS AND DISBURSEMENTS FOR YEAR ENDING SEPTEMBER 30, 1922

Receipts—		
Filing fees		\$36,435 54
Disbursements—		
Payroll	\$11,205 00	
Legal proceedings	152 90	
Equipment, office	748 80	
Printing	906 31	
Postage	352 00	
Stationery, supplies, etc.	175 78	
Examinations	814 58	
Miscellaneous	473 46	
Balance October 1, 1922.....	21,606 71	
		<hr/>
		\$36,435 54 \$36,435 54

LICENSES

Issuers' licenses granted.....	301; rejected.....	53
Dealers' licenses granted.....	137; rejected.....	3
Salesmen's licenses granted.....	1,027; rejected.....	3
Agents' licenses granted.....	446; rejected.....	10
Total amount of issues authorized		\$101,275,508 00
Total amount of issues rejected		8,867,000 00
Number of issuers' applications received		350
Number of dealers' applications received		145
Number of companies claiming exemption		290
Number of geological, auditors, examinations, etc., were made.....		40
Number of official meetings held.....		48

PRIMARY ELECTION RETURNS, MAY 2, 1922

UNITED STATES SENATORS.

COUNTIES	Albert J. Beveridge R.	Harry S. New, R.	Charles Franklin Howard, D.	Jesse A. Sanders, D.	Bernard B. Shively, D.	Samuel B. Ralston, D.	Daniel W. Simms, D.
Adams	492	647	111	222	191	1,917	866
Allen	1,845	2,952	353	1,777	728	3,749	1,803
Bartholomew	2,025	1,855	132	237	314	2,961	225
Benton	1,161	1,466	74	51	51	1,544	285
Blackford	1,122	553	130	84	164	1,270	106
Boone	2,212	972	76	165	147	3,292	256
Brown	278	97	100	118	104	912	106
Carroll	1,332	739	63	101	104	1,283	156
Cass	2,531	2,044	285	919	789	3,670	543
Clark	1,765	595	516	524	529	2,644	1,809
Clay	1,521	1,874	230	711	280	2,926	236
Clinton	2,166	1,367	111	112	163	2,122	325
Crawford	618	756	120	172	120	1,088	138
Davies	2,202	1,585	183	226	190	1,967	259
Dearborn	763	1,103	186	237	211	2,333	276
Decatur	2,258	1,341	77	137	119	1,512	93
Dekalb	1,594	1,523	138	761	256	1,720	293
Delaware	4,982	3,982	67	189	112	1,399	159
Dubois	311	443	503	747	410	2,666	323
Elkhart	3,620	1,848	119	223	475	1,386	146
Fayette	1,785	1,385	24	82	58	773	31
Floyd	1,468	1,228	145	360	505	2,664	361
Fountain	1,826	1,523	82	169	99	1,729	729
Franklin	794	490	244	231	262	2,212	177
Fulton	1,418	1,274	97	98	277	1,488	184
Gibson	1,929	1,759	260	256	227	2,052	237
Grant	3,871	4,138	80	98	1,494	1,265	139
Greene	2,768	1,946	267	392	314	3,113	341
Hamilton	3,705	2,369	21	72	87	1,446	66
Hancock	1,282	593	111	284	278	2,858	177
Harrison	1,756	1,185	152	185	321	2,271	228
Hendricks	2,856	1,840	93	93	34	1,550	93
Henry	2,940	3,444	29	60	45	1,587	49
Howard	3,907	3,983	92	126	132	1,369	71
Huntington	1,967	2,071	203	353	321	2,102	617
Jackson	1,100	616	241	337	261	2,509	196
Jasper	1,605	1,899	40	41	52	680	53
Jay	1,878	972	116	274	206	2,101	404
Jefferson	1,733	2,760	80	122	89	1,886	118
Jennings	1,375	1,267	77	119	104	1,290	116
Johnson	1,711	1,163	110	323	283	3,714	245
Knox	1,954	2,410	262	778	461	3,160	368
Kosciusko	2,582	3,388	21	136	340	1,476	244
Lagrange	1,422	1,678	25	36	47	233	52
Lake	12,261	9,276	123	108	253	575	205
Laporte	2,278	3,130	281	735	714	1,449	776
Lawrence	2,629	1,942	15	180	93	1,157	79
Madison	5,166	2,352	234	761	445	6,115	423
Marion	21,457	24,690	163	3,990	480	9,220	669
Marshall	1,280	1,197	112	226	533	1,589	263
Martin	1,022	623	138	133	145	980	166
Miami	1,995	1,155	172	354	356	3,097	264
Monroe	2,473	1,708	93	276	151	1,762	141
Montgomery	2,222	2,252	90	123	156	2,086	441
Morgan	2,211	1,177	56	145	121	1,882	175
Newton	1,109	995	42	59	63	580	321
Noble	1,190	1,852	86	139	184	1,054	287
Ohio	299	264	45	44	30	41	15
Orange	1,729	1,520	45	110	127	991	96
Owen	1,054	926	88	155	116	1,930	136

PRIMARY ELECTION RETURNS FOR UNITED STATES SENATORS—Continued.

COUNTIES	Albert J. Beveridge, R.	Harry S. New, R.	Charles Franklin Howard, D.	Jesse A. Sanders, D.	Bernard B. Shively, D.	Samuel B. Ralston, D.	Daniel W. Simms, D.
Parke.....	2,322	1,908	67	185	71	1,026	109
Perry.....	853	604	207	313	228	1,427	145
Pike.....	724	1,256	123	114	133	885	174
Porter.....	3,200	2,115	20	27	56	243	39
Posey.....	677	907	165	455	214	2,248	153
Pulaski.....	980	635	103	148	221	994	141
Putnam.....	1,954	1,654	135	445	163	3,578	177
Randolph.....	4,095	2,074	11	41	37	955	31
Ripley.....	898	1,299	144	183	137	1,657	123
Rush.....	2,193	1,570	72	83	93	1,506	73
Scott.....	666	626	70	149	135	1,301	74
Shelby.....	2,122	1,036	199	460	372	3,770	279
Spencer.....	1,573	1,673	58	163	363	1,706	141
Starke.....	848	993	84	80	179	678	68
Steuben.....	1,461	2,059	16	36	25	426	39
St. Joseph.....	3,056	3,698	454	361	611	2,326	229
Sullivan.....	1,168	974	148	712	289	2,921	517
Switzerland.....	388	927	199	95	145	1,236	123
Tippecanoe.....	4,195	5,034	56	159	75	354	912
Tipton.....	1,258	857	234	141	162	1,626	96
Union.....	747	619	50	60	85	445	66
Vanderburgh.....	4,513	5,742	196	2,231	440	2,831	231
Vermillion.....	1,482	1,731	48	348	151	1,284	149
Vigo.....	6,056	4,304	264	5,385	536	4,633	709
Wabash.....	2,972	2,189	111	128	222	1,701	164
Warren.....	1,293	1,245	16	14	15	248	47
Warrick.....	1,185	1,319	186	269	199	2,128	122
Washington.....	1,220	767	137	186	277	2,374	204
Wayne.....	4,822	3,006	88	264	168	1,207	92
Wells.....	874	894	94	217	268	2,431	215
White.....	1,080	1,450	69	86	139	1,027	224
Whitley.....	485	1,185	99	208	169	1,654	406
Total.....	206,165	184,505	12,152	34,027	22,099	174,623	24,428

Albert J. Beveridge, Indianapolis. Samuel M. Ralston, Indianapolis.

*The Primary Election Returns given in this table are all taken from the official records in the office of the Secretary of State except the vote cast for state senator, state representatives, circuit and superior judge and prosecuting attorney in districts composed of a single county, which are not submitted to the secretary of state and are compiled from reports obtained direct from the clerks of the circuit courts of the several counties.

REPRESENTATIVES IN CONGRESS.

FIRST DISTRICT.

COUNTIES	Oscar R. Luhning, R.	Edward E. Meyer, D.	William E. Wilson, D.	D. C. Ste- phenson, D.
Gibson.....	2,559	966	1,844	332
Pike.....	1,669	514	705	173
Posey.....	1,271	1,178	1,881	172
Spencer.....	2,112	973	1,101	291
Vanderburgh.....	7,518	3,580	2,219	353
Warrick.....	2,085	668	1,931	277
Total.....	17,214	7,879	9,681	1,598

William E. Wilson, Evansville.
Oscar R. Luhning, Evansville.

REPRESENTATIVES IN CONGRESS—Continued.

SECOND DISTRICT

COUNTIES	Oscar E. Bland, R.	Raleigh L. Morgan, R.	James M. House, R.	Mrs. W. A. Cullop, D.	Arthur H. Greenwood, D.	Will H. Pigg, D.
Knox.....	3,247	89	1,106	1,950	2,631	665
Sullivan.....	1,950	39	211	1,075	1,416	2,550
Daviess.....	3,237	101	681	272	2,593	150
Greene.....	4,351	131	376	993	2,748	785
Owen.....	1,689	64	237	617	1,226	538
Monroe.....	3,098	436	573	874	913	613
Martin.....	1,307	50	324	400	967	344
Morgan.....	3,254	152	377	403	480	1,534
Total.....	22,133	1,062	3,885	6,584	12,974	7,179

Arthur H. Greenwood, Washington.
Oscar E. Bland, Linton.

THIRD DISTRICT

COUNTIES	Samuel A. Lambdin, R.	John W. Ewing, D.	R. C. Brown, D.
Lawrence.....	2,614	836	606
Dubois.....	603	3,684	1,025
Orange.....	.....	796	406
Crawford.....	1,094	1,400	298
Perry.....	793	2,221	247
Washington.....	1,409	2,364	790
Harrison.....	.....	2,839	392
Floyd.....	2,390	3,624	611
Clark.....	.....	4,600	1,207
Scott.....	975	1,398	289
Total.....	9,878	23,762	5,871

Samuel A. Lambdin, English.
John W. Ewing, New Albany.

FOURTH DISTRICT

COUNTIES	John S. Benham, R.	Clarence E. Custer, D.	Harry C. Canfield, D.
Jackson.....	.....	1,673	1,997
Brown.....	240	637	870
Bartholomew.....	3,027	1,533	2,230
Jennings.....	1,992	728	1,009
Ripley.....	2,045	623	1,765
Dearborn.....	1,563	1,136	2,403
Ohio.....	474	364	254
Switzerland.....	1,231	953	961
Jefferson.....	.....	1,552	802
Johnson.....	1,881	2,129	2,446
Decatur.....	.....	777	1,201
Total.....	12,453	12,105	15,938

John S. Benham, Benham.
Harry C. Canfield, Batesville.

REPRESENTATIVES IN CONGRESS—Continued.

FIFTH DISTRICT

COUNTIES	Everett Sanders, R.	Alfred D. Merrell, D.	Charles H. Bidaman, D.	David B. Hostetter, D.	Albert R. Owens, D.	Otto T. Englehart, D.	Jacob E. Cravens, D.
Clay	3, 156	403	375	869	431	2, 080	210
Hendricks		134	93	513	53	271	466
Parke	3, 563	181	78	409	366	279	99
Putnam	3, 250	332	136	2, 470	480	487	460
Vermillion		260	357	584	299	276	154
Vigo	8, 688	662	6, 446	672	2, 204	951	546
Total ..	18, 657	1, 972	7, 485	5, 517	3, 833	4, 344	1, 935

Everett Sanders, Terre Haute.
Charles H. Bidaman, Terre Haute.

SIXTH DISTRICT

COUNTIES	Richard N. Elliott, R.	Charles O. Williams, R.	Ralph Test, R.	Walter McConaha, R.	Edward C. Eikman, D.	Walter C. Reese, D.	James A. Clifton, D.
Fayette	2, 198	248	351	232	132	56	803
Franklin	609	153	233	244	1, 105	531	281
Hancock	772	276	473	202	1, 495	835	1, 135
Henry	2, 490	451	3, 008	230	239	542	809
Rush	2, 236	533	589	165	638	319	760
Shelby	1, 749	423	501	133	912	2, 441	1, 506
Union	653	131	230	349	102	73	611
Wayne	2, 749	1, 716	1, 131	2, 257	300	543	739
Total ..	13, 456	3, 931	6, 516	3, 812	4, 923	5, 340	6, 644

Richard N. Elliott, Connersville.
James A. Clifton, Connersville.

SEVENTH DISTRICT

COUNTIES	Merrill Moores, R.	Franklin McCray, R.	John W. Becker, R.	Frank Hollingshead, R.	Joseph P. Turk, D.	Woodburn Masson, D.
Marion	18, 256	9, 502	7, 695	716	8, 596	4, 937
Total	18, 256	9, 502	7, 695	716	8, 596	4, 937

Merrill Moores, Indianapolis.
Joseph P. Turk, Indianapolis.

EIGHTH DISTRICT

COUNTIES	Charles A. Clevenger, R.	Albert H. Vestal, R.	Ernest Benninghofen, R.	Jesse H. Mellett, D.	Claude C. Ball, D.	John W. Tyndall, D.
Madison	358	6, 583	360	3, 606	2, 252	2, 083
Delaware	812	7, 144	304	105	1, 764	133
Randolph	451	5, 153	233	151	635	192
Jay	145	2, 564	82	497	1, 670	828
Wells	143	1, 435	91	336	1, 008	1, 677
Adams	75	875	85	136	163	3, 568
Total	1, 984	23, 754	1, 155	4, 831	7, 492	8, 481

Albert H. Vestal, Anderson.
John W. Tyndall, Decatur.

REPRESENTATIVES IN CONGRESS—Continued.

NINTH DISTRICT

COUNTIES	Fred S. Purnell, R.	Walter H. Unversaw, R.	Robert H. Kinney, D.	George Lee Moffett, D.
Fountain	2,907	425	450	2,359
Montgomery	3,960	269	1,399	1,325
Boone	2,815	278	1,720	1,924
Clinton	2,890	573	1,408	1,414
Carroll	1,881	101	743	913
Tipton	1,674	333	1,291	794
Hamilton	4,674	738	643	949
Howard	5,241	2,501	1,033	632
Total	26,042	5,218	8,687	10,310

Fred S. Purnell, Attica.
George Lee Moffett, Yeddo.

TENTH DISTRICT

COUNTIES	Elwood Washington, R.	William R. Wood, R.	Will B. Anderson, R.	Gust. Strom, R.	William F. Spooner, D.
Benton	87	2,256	244	77	840
Jasper	221	2,503	419	290	.....
Lake	915	8,946	6,324	3,685	872
Newton	78	1,499	266	173	843
Porter	175	2,789	1,320	1,047	337
Tippecanoe	298	7,577	1,161	273	1,304
Warren	121	1,939	314	85	236
White	125	2,046	249	142	1,408
Total	2,020	29,555	10,297	5,772	5,840

William R. Wood, Lafayette.
William F. Spooner, Valparaiso.

ELEVENTH DISTRICT

COUNTIES	Milton Kraus, R.	Samuel E. Cook, D.	Nelson G. Hunter, D.	Harry K. Cuthbertson D.
Blackford	1,222	1,111	208	422
Cass .....	.....	3,256	793	2,178
Grant	6,819	1,582	589	675
Huntington	3,640	2,266	574	836
Miami .....	.....	1,100	415	2,816
Pulaski	1,386	848	187	563
Wabash .....	.....	417	1,464	508
Total	12,567	10,580	4,230	7,998

Milton Kraus, Peru.
Samuel E. Cook, Huntington.

REPRESENTATIVES IN CONGRESS—Continued.

TWELFTH DISTRICT

COUNTIES	Louis W. Fairfield, R.	Charles R. Lane R.	Reuben Earl Peters, D.	Cyrus Ellis Gallatin, D.	Charles W. Branstrator, D.
Allen	2,929	1,590	2,714	963	4,759
Dekalb	2,711	411	991	1,373	785
Lagrange	2,451	418	144	51	174
Noble	2,389	579	609	281	810
Steuben	3,201	381	231	77	214
Whitley	1,222	414	844	329	1,284
Total	14,903	3,793	5,533	3,074	8,026

Louis W. Fairfield, Angola.

Charles W. Branstrator, Fort Wayne, R. 8.

THIRTEENTH DISTRICT

COUNTIES	Andrew J. Hickey, R.	Esther Kath- leen O'Keefe, D.	Frank Fenton, D.	Henry F. Schricker, D.	Harry E. Grube, D.
Elkhart	4,665	753	542	311	641
Fulton	2,194	894	293	526	413
Kosciusko		815	353	216	742
Laporte	4,791	1,221	1,033	658	979
Marshall	2,152	1,876	142	173	715
Starke	1,720	172	39	973	57
St. Joseph	5,535	1,631	525	630	1,034
Total	21,057	7,362	2,927	3,487	4,581

Andrew J. Hickey, Laporte.

Esther Kathleen O'Keefe, Plymouth.

STATE SENATORS.

COUNTIES	No. Elected	Republicans	Vote	Democrats	Vote
St. Joseph...	1	Arthur B. Hunter, South Bend... Helen M. Anderson, Mishawaka.. M. T. Calef, South Bend.....	2,135 2,107 1,887	Chester A. Perkins, South Bend.. Edwin H. Sommerer, South Bend..	1,686 1,426
Lake.....	1	William F. Hodges, Gary..... Erie G. Sproat, Hammond..... Willis E. Roe, East Chicago..... Thomas Grant, Lowell.....	7,149 3,772 2,605 6,022	Frank R. Martin, Hammond.....	734
Allen.....	1	William E. Bowers, New Haven... Edwin G. Ludwig, Fort Wayne...	2,520 1,041	Robert B. Shirley, Woodburn, R. 2	4,868
Grant.....	1	Culla J. Vayhinger, Upland, R. 1.. Alfred Hogston, Marion.....	4,353 3,655	Ora C. King, Marion, R. 5.....	1,320
Marion.....	1	Thomas A. Daily, Indianapolis... Charles A. Messmore, Indianapolis Wilbur A. Royse, Indianapolis... Gustav G. Schmidt, Indianapolis.. John McGregor, Indianapolis... Joseph G. Hayes, Indianapolis... Herman L. Seeger, Indianapolis...	9,953 2,154 5,077 5,732 3,728 4,534 807	Albert A. Henry, Indianapolis... William W. Spencer, Indianapolis..	6,130 5,672
Wayne.....	1	Denver C. Harlan, Cambridge City, R. R..... Walter S. Rathiff, Richmond, R.R. John W. Judkins, Cambridge City	3,792 1,353 2,830	Mrs. Lillie M. Tweedy, Cambridge City.....	1,387

JOINT STATE SENATORS.

COUNTIES	Nathan Hoyt Sheppard, R.	William Brown, R.	George W. Thompson, D.
Porter.....	1,310	3,720	308
Jasper.....	964	2,355	.....
Newton.....	433	1,468	830
Pulaski.....	246	1,221	1,420
Total.....	2,953	8,764	2,558

William Brown, Hebron.
George W. Thompson, Winamac.

COUNTIES	William H. Kissinger, R.	Oliver Kline, R.	John C. Crosby, D.
Whitley.....	839	772	2,115
Huntington.....	1,813	2,099	3,165
Total.....	2,657	2,871	5,280

Oliver Kline, Huntington, R. 3.
John C. Crosby, Huntington.

COUNTIES	Grant Pyle, R.	George L. Saunders, D.
Adams.....	696	1,991
Wells.....	.....	.....
Blackford.....	1,078	1,363
Total.....	1,774	3,354

Grant Pyle, Bluffton.
George L. Saunders, Bluffton.

COUNTIES	William S. Mercer, R.	Homer Fenters, R.	Ethan A. Graves, D.	James P. Davis, D.
Miami.....	965	2,134	1,983	2,141
Howard.....	4,304	2,728	455	1,201
Total.....	5,269	4,862	2,438	3,342

William S. Mercer, Peru.
James P. Davis, Kokomo.

COUNTIES	Lawrence R. Cartwright, R.	W. Edward Ayers, D.
Jay.....	2,200	2,193
Randolph.....	.....	.....
Total.....	2,200	2,193

Lawrence R. Cartwright, Portland, R. 5.
W. Edward Ayers, Portland.

JOINT STATE SENATORS—Continued.

COUNTIES	John S. Alldredge, R.	Walter S. Chambers, D.	Sparks L. Brooks, D.
Madison		3,953	3,402
Henry		1,356	283
Hancock	1,345	1,639	1,655
Total	1,345	6,948	5,340

John S. Alldredge, Anderson.
Walter S. Chambers, Newcastle.

COUNTIES	Murray S. Barker, R.	Cassius M. Gentry, R.	Joseph W. Klotz, D.
Tipton	1,008	825	
Hamilton	1,838	3,438	
Boone	2,658	371	
Total	5,504	4,637	

Murray S. Barker, Thorntown.
Joseph W. Klotz, Noblesville.

COUNTIES	Roy C. Street, R.	Alva O. Reser, R.	Ray M. Southworth, R.	John Lackey, D.
Benton	1,188	735	645	852
Tiptecance	2,934	2,775	3,727	1,379
Total	4,122	3,510	4,372	2,231

Ray M. Southworth, Lafayette.
John Lackey, Oxford.

COUNTIES	Howard O'Neill, R.	Charles Kirkpatrick, R.	Benjamin F. Johnson, R.	Andrew E. Durham, D.
Montgomery	2,424	1,059	870	2,207
Putnam	1,890	726	847	4,079
Total	4,314	1,785	1,717	6,386

Howard O'Neill, Crawfordsville.
Andrew E. Durham, Greencastle.

COUNTIES	Weldon Lambert, R.	George P. Cline, D.	Jess E. Stevens, D.
Union		127	676
Franklin		1,303	1,410
Decatur		1,095	715
Bartholomew	3,105	1,779	1,473
Total	3,105	4,304	4,274

Weldon Lambert, Columbus.
George P. Cline, College Corner, Ohio.

JOINT STATE SENATORS—Continued.

COUNTIES	Charles E. Watson, R.	David N. Curry, D.	Charles S. Batt, D.	George Ira Kisner, D.
Sullivan	1,549	3,129	734	674
Vigo	6,273	1,526	6,905	2,088
Total	7,822	4,655	7,639	2,762

Charles E. Watson, Sullivan, R. R.
Charles S. Batt, Terre Haute.

COUNTIES	Eugene C. Wharf, R	Perry Easton, D.	John A. Riddle, D.
Knox		2,231	2,217
Daviess	3,015	1,372	1,148
Total	3,015	3,603	3,365

Eugene C. Wharf, Vincennes, R. R.
Perry Easton, Sandborn.

COUNTIES	Will K. Penrod, R.	James B. Marshall, D.
Lawrence	2,698	1,083
Martin	1,434	1,270
Orange		
Total	4,132	2,353

Will K. Penrod, Loogootee.
James B. Marshall, Shoals.

COUNTIES	Frank V. McCullough, R.	C. Pralle Erni, D.
Harrison		
Floyd	2,406	3,768
Crawford	880	1,072
Total	3,286	4,840

Frank V. McCullough, New Albany.
C. Pralle Erni, New Albany.

COUNTIES	Ovid C. Richardson, R.	Miles F. Daubenhayer, D.	J. Francis Lockard, D.	George C. Ale, D.
Ripley	1,892		1,867	401
Dearborn	1,358		1,273	1,607
Jennings	1,878		535	1,075
Total	5,128		3,675	3,083

Ovid C. Richardson, North Vernon.
J. Francis Lockard, Milan.

JOINT STATE SENATORS—Continued.

COUNTIES	Andrew M. Stevens, R.	Joseph M. Cravens, D.
Ohio.....	414	511
Switzerland.....	1,185	1,663
Jefferson.....		
Clark.....		
Total.....	1,599	2,174

Andrew M. Stevens, Madison.
Joseph M. Cravens, Madison, R. 3.

COUNTIES	Norman B. Ficken, R.	John Sweeney, D.	J. Edwin Howe, D.	Herbert J. Patrick, D.	Peter L. Coble, D.
Dubois.....	599	1,420	578	894	2,104
Perry.....	669	863	768	815	165
Spencer.....	1,538	873	563	448	573
Total.....	2,806	3,156	1,909	2,157	2,842

Norman B. Ficken, Huntingburg.
John Sweeney Tell City.

COUNTIES	George Peed, R.	Hovey C. Kirk, R.	Harvey Harmon, D.
Gibson.....	1,609	1,944	2,362
Pike.....	1,094	744	1,204
Total.....	2,703	2,689	3,566

George Peed, Hazleton, R. 3.
Harvey Harmon, Princeton.

COUNTIES	Roger D. Gough, R.	Charles A. Fitch, Jr., D.	Jacob Lutz, D.
Posey.....	1,158	1,228	1,472
Vanderburgh.....	6,476	3,517	1,734
Warrick.....	2,060	462	2,376
Total.....	9,694	5,207	5,582

Roger D. Gough, Boonville.
Jacob Lutz, Boonville.

SECRETARY OF STATE

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STATE REPRESENTATIVES.

COUNTY	No. Elected	Republicans	Vote	Democrats	Vote
Marion.....	11	Walther Lieber, Indianapolis..... J. N. Hurty, Indianapolis..... Russell B. Harrison, Indianapolis... Henry Abrams, Indianapolis..... Asa J. Smith, Indianapolis..... Elizabeth Rainey, Indianapolis..... Ralph E. Updike, Indianapolis..... Clarence C. Wyssong, Indianapolis... Frank J. Noll, Jr., Indianapolis..... Homer L. Traub, Indianapolis..... Luke W. Duffey, Indianapolis..... Thomas M. Dexter, Indianapolis..... Asa R. Mathis, New Augusta, R. 1... John V. Allen, Indianapolis..... William Y. Hinkle, Indianapolis... Warwick H. Ripley, Indianapolis... Edwin S. Mills, Indianapolis, R. R. O. Box 25..... Russell V. Duncan, Indianapolis... Edmond H. Herschel, Indianapolis... J. O. Brown, Indianapolis..... Wallace A. Robertson, Indianapolis... Emil C. Stroeh, Indianapolis..... George N. T. Gray, Indianapolis... Charles W. Hughes, Indianapolis... Ferdinand J. Montani, Indianapolis... W. Blaine Patton, Indianapolis... Dante L. Conner, Indianapolis..... Alexander Belle, Indianapolis..... Donald G. Trone, Indianapolis..... Frank C. Riley, Indianapolis..... Fred A. Davidson, Indianapolis..... Wm. B. Waddell, Indianapolis..... Leo C. Emmelmann, Indianapolis... Louis A. Barth, Indianapolis..... Omer U. Newman, Indianapolis..... Fae W. Patrick, Indianapolis..... Anthony Klaiber, Indianapolis..... William Gruner, Indianapolis..... John H. Murray, Indianapolis..... William F. Wilson, Indianapolis... Vinson H. Manifold, Indianapolis... Robert H. Henry, Jr., Indianapolis... Charles W. Rollinson, Indianapolis... Homer Smay, Indianapolis..... George Desautels, Indianapolis... William E. Liebold, Indianapolis... Charles Mendenhall, Indianapolis... Frank C. Huston, Indianapolis..... Clyde P. Miller, Indianapolis..... Howell Ellis, Indianapolis..... S. J. Williams, Indianapolis..... Roy E. Glidewell, Indianapolis... John W. Thiel, Hobart..... Oscar A. Ahlgren, Whiting..... James I. Day, E. Chicago..... J. Glenn Harris, Gary..... William M. Love, Hammond..... Peter Boulst, Gary..... David T. Rosenthal, E. Chicago... Berthold M. Paulding, Gary..... Herman L. Key, Gary..... Willard B. Van Horne, E. Chicago... John W. Waggoner, Hammond..... Michael Havran, E. Chicago..... Charles W. Isenbarger, Lacrosse... Charles H. DeWitt, Michigan City...	7,572 11,053 7,452 8,741 7,330 8,456 7,314 7,525 8,123 7,545 8,358 6,996 5,839 4,728 5,398 2,258 4,739 5,516 3,498 3,108 2,948 1,824 3,102 3,893 6,313 5,898 3,190 2,018 2,960 3,327 4,540 3,224 3,742 2,809 6,242 3,195 1,791 3,633 4,037 3,946 5,543 3,163 2,687 1,511 5,176 1,911 5,333 4,711 4,850 3,418 2,581 2,898 7,426 8,083 8,247 8,834 8,180 3,304 4,298 3,837 6,619 5,147 3,080 5,694 2,854 1,787	Peter A. Boland, Indianapolis..... John M. Maxwell, Indianapolis... Edgar A. Perkins, Indianapolis..... Jerry O'Connor, Indianapolis..... Louis C. Schwartz, Indianapolis... George C. Stelhorn, Indianapolis... Martin H. Walpole, Indianapolis... J. Olias Vanier, Indianapolis..... William A. Taylor, Indianapolis... Leo X. Smith, Indianapolis..... John C. Wagner, Indianapolis..... John F. Linder, Indianapolis, R. R. J 1..... Merica E. Hoagland, Indianapolis... Henry H. Winkler, Indianapolis... John W. Losh, Indianapolis..... Emit C. Spicklemire, Indianapolis... Alexandre Leon Asch, Indianapolis... John E. Webb, Indianapolis, R. D. Joseph G. Wood, Indianapolis..... John E. Spiegel, Indianapolis..... Raphael Schmidt, Indianapolis... Charles E. Young, Indianapolis... Floyd E. Williamson, Indianapolis... Lewis Lee Michael, Indianapolis...	5,162 5,708 5,918 6,727 5,522 4,650 6,192 4,805 6,052 6,321 5,605 3,261 3,229 4,452 4,066 2,897 4,446 3,750 4,183 4,575 3,497 3,437 4,164 3,281
Lake.....	5			Thomas P. Mullinix, Gary..... Lawrence Long, Hammond..... Karl D. Norris, E. Chicago..... John A. Tokarz, Whiting..... Fred F. Henderlong, Crown Point...	578 696 624 609 680
Laporte.....	1			Earl D. Brown, Michigan City.... Karl A. Kanney, Michigan City... Catherine MacLean Walsh, Mich- igan City..... Thomas M. Herrold, Laporte, R. 9 Clarence Mullen, Winchester, R. R.....	1,536 455 885 1,090
Randolph...	1	Evert A. Addington, Farmland..... George Shultz, Union City, R. 4.. Milford A. Holloway, Farmland, R. 3..... James M. Knapp, Hagerstown....	2,318 2,211 1,424 5,473	Thollie W. Druley, Boston, R. 1.. James C. Hurst, Richmond..... John Marksbury, Richmond.....	800 558 588

STATE REPRESENTATIVES—Continued.

COUNTY	No. Elected	Republicans	Vote	Democrats	Vote
Henry.....	1	Raymond C. Morgan, Knightstown.....		Frank A. Wisehart, Middletown.....	
Shelby.....	1	Scott Meiks, Shelbyville.....	2,610	Clarence A. Lowe, Waldron.....	4,441
Hendricks....	1	Benjamin F. Davis, North Salem....		J. Russell Landreth, Lizton.....	
Morgan.....	1	David B. Johnson, Mooresville.....	2,547	Jap Jones, Martinsville.....	1,457
		Cyrus W. Mackenzie, Waverly.....	1,101	Felix O. Peckinpaugh, Martinsville..	870
Vermillion....	1	John A. Hughes, Newport.....		Matthew M. Scott, Clinton.....	
Vigo.....	3	George W. Sims, Terre Haute.....	4,613	Charles F. Riede, Terre Haute.....	3,301
		Geo. S. Johnson, Terre Haute.....	4,773	James M. Carlos, Terre Haute.....	4,848
		Frank W. Ray, Terre Haute.....	5,686	Edgar D. Fagin, Terre Haute, R.B..	2,984
		George M. Dunn, Terre Haute.....	2,874	John G. Dwyer, Terre Haute.....	1,326
		Fred K. Schaufier, Terre Haute.....	2,777	Nicholas Weber, Terre Haute.....	1,401
		Wilbur S. Chappelle, Terre Haute.....	2,288	Miss Emma M. May, Terre Haute.....	2,940
				John Hanretty, Terre Haute.....	1,568
				Joseph F. Boyer, Terre Haute.....	2,242
				Frank Miller, Terre Haute.....	2,101
				John C. Arnold, Terre Haute.....	1,963
				Michael J. Deasee, Terre Haute.....	2,102
				Edgar L. Brown, Terre Haute.....	1,826
Parke.....	1	Winfield Catlin, Rockville.....	2,311	William L. Flock, near Bloomingdale..	1,261
		Samuel Milligan, Milligan.....	1,961	Walter B. Ringo, Centerpoint, R. 1..	3,444
Clay.....	1	Paul Bennett, Coalmont.....	2,908	Addison Drake, Fairbanks.....	3,674
				William J. Powell, Jasonville.....	2,218
Sullivan.....	1	John D. Hill, Shelburn.....	1,558	James B. Dillon, Switz City.....	2,040
Greene.....	1	Elmer W. Sherwood, Linton.....	2,813		
		George E. May, Linton.....	365		
		James B. Filbert, Linton.....	624		
		Clarence A. Loudermilk, Jasonville.....	751		
Monroe.....	1	E. Wm. G. Johnson, Bloomington, R. 3..	2,024	Harry M. Kenney, Bloomington..	1,623
		Claude G. Malott, Bloomington....	1,993		
Bartholomew..	1	Wilbur L. Prunett, Columbus.....	1,904	John H. Schaefer, Columbus.....	3,211
		Frank A. Aldenhagen, Columbus, R. R..	1,503		
Clark.....	1	Cecil J. Sharp, Charlestown.....		Albert B. Clapp, Marysville.....	3,775
Floyd.....	1	Chester V. Lorch, New Albany....	2,380	Charles N. Finch, Jeffersonville....	2,593
				Herbert P. Kenny, New Albany.....	1,527
				Clark F. Creelius, New Albany.....	887
				Albert L. Gerdon, New Albany.....	1,197
				Ferd P. Wrege, New Albany.....	618
Lawrence....	1	John C. Sherwood, Mitchell, R. 1..	2,420		
		Stephen M. Isom, Mitchell.....	1,814		
Daviess.....	1	George L. Murdoch, Washington, R. R..	1,590	Lew S. Core, Elnora.....	2,439
		Thomas Nugent, Washington.....	1,590		
Knox.....	1	Henry F. Volle, Freelandsville, R. F. D..		Shirley Leveron, Decker.....	
Gibson.....	1	Claude A. Smith, Princeton.....	3,157	Arthur Johnson, Oakland City.....	1,221
				Robert S. Boyle, Ft. Branch.....	693
				J. Howard Thompson, Hazleton....	1,212
Vanderburgh..	3	Thomas W. McCutchan, Evansville, R. 4..	5,506	E. H. Scheips, Evansville.....	2,955
		Henry E. Dreier, Evansville.....	3,588	Edward R. Peters, Evansville, R. A..	3,292
		Harry E. Rowbottom, Evansville....	5,502	Harry M. Punshon, Evansville.....	2,765
		Henry W. Kamman, Evansville.....	1,687	George B. Garrison, Evansville.....	2,746
		Charles Kares, Evansville, R. 7....	2,371		
		Isadore J. Fine, Evansville.....	770		
		Alex M. Hestand, Evansville.....	1,150		
		Joseph Weimer, Evansville.....	3,409		
		B. F. Von Behren, Evansville.....	2,479		
Tippecanoe... 1		Elmer R. Waters, South Raub.....	6,458	John C. F. Redinbo, Lafayette, R. R. L..	1,421
		James Harold Porter, Lafayette....	1,956	Leo Van Hess, South Bend, R. 5..	1,418
St. Joseph.... 3		A. N. DuComb, South Bend.....	4,293	Thomas H. Jackson, South Bend....	1,821
		Harry C. Matthews, South Bend, R. 6..	2,955	August Bailey, South Bend.....	2,172
		Leonard G. Jaqua, Mishawaka.....	2,785	Herman J. Weinke, South Bend.....	760
		Dayton D. Mangus, N. Liberty, R. 3..	3,771	Walter A. Rice, South Bend.....	823
		Henry L. Humrichouser, Plymouth	2,062	Peter A. Beezkiewicz, South Bend..	1,314
Marshall.... 1		Paul D. Farley, Elkhart.....	2,199	John W. Kitch, Plymouth.....	2,325
Elkhart..... 2		Floyd V. Miller, Elkhart.....	1,894	Herbert C. Waterman, Elkhart.....	1,111
		Gene P. Ohmer, Elkhart, R. 7....	1,132	Allen R. Bemenderfer, Goshen.....	1,451
		Frank P. Abbott, Goshen.....	1,657	Donald C. McDougall, Goshen.....	734
		Victor D. Smith, Middlebury.....	1,152		
		William D. Ferris, Elkhart.....	718		
Kosciusko... 1		Ezra W. Graham, Warsaw.....	2,270	George W. Irvine, Claypool.....	826
		Charles W. Harlan, Warsaw.....	1,541	Victor H. Gawthrop, Leesburg.....	779
		Floyd Stevens, near Sidney.....	2,019	Homer B. Sutherlin, Atwood.....	576

STATE REPRESENTATIVES—Continued.

COUNTY	No. Elected	Republicans	Vote	Democrats	Vote
Noble.....	1	Bernard F. Haines, Avilla..... Arthur J. Stackhouse, Kendallville..... John H. Hoffman, Ligonier.....	1,226 649 1,053	James E. Luckey, Wolf Lake..... William H. Green, Ligonier.....	1,074 619
Dekalb.....	1	Charles S. Arford, Edgerton, Ohio, R. R.....	2,785	Milo J. Thomas, Corunna..... Frank P. Seiler, Auburn..... Florance B. Smith, Garrett..... Cleve H. Grube, Butler.....	1,032 490 874 827
Allen.....	3	Nathaniel C. Ross, Fort Wayne..... Charles A. Phelps, Fort Wayne..... Fred G. Duryee, Fort Wayne..... Clifford W. Siniff, Fort Wayne.....	2,425 2,715 2,316 1,806	Arthur J. Ortlieb, Fort Wayne..... Howard M. Hobbs, Fort Wayne, R. R. 11..... Horace G. McDuffee, Churubusco, R. 1..... Grant Graham, Fort Wayne, R. 8..... Mayland E. Raquet, Fort Wayne..... Christ Hahn, Fort Wayne..... Peter L. Cassady, Fort Wayne..... August C. Nierman, Fort Wayne..... Edward A. Gruber, Fort Wayne..... John M. Conroy, Fort Wayne..... Harvey C. Crabill, Monroeville..... John W. Pugh, Logansport..... David C. Hubbs, Logansport.....	2,008 2,205 2,817 1,195 773 1,926 1,411 1,795 1,650 1,703 1,771 3,465 2,633
Cass.....	1	Truman G. Murden, Logansport..... Simeon J. Barney, Logansport..... Hiram J. Munger, Logansport..... Burton Green, Deedsville, R. 1.....	797 698 651 No Opp.	William Hart, Peru..... Thomas E. Bolley, Roann, R. 1..... Chester E. Troyer, Lafontaine.....	3,073 975 No Op.
Wabash.....	1	George F. Ogden, Laketon..... Addison L. Martin, Lafontaine.....	2,686 2,212	Harvey Z. Collins, Huntington..... Isaiah Garwood, Huntington, R. 3..... Wm. I. Journay, Portland, R. 4..... John C. F. Graves, Pennville..... John A. Peterson, Swayzee..... Kenton G. Albright, Kokomo, R. 9..... Oliver J. Harshman, Frankfort, R. 6..... Frank Daywitt, Frankfort..... David L. Mabbitt, Frankfort, R. 6..... Byron Monroe Allen, Kingman.....	2,621 807 1,859 1,137 1,306 1,569 527 767 2,388
Huntington.....	1	John P. Shutt, Warren, R. 3..... George W. Frazier, Warren.....	2,195 1,572		
Jay.....	1	John G. Hammitt, Bryant, R. 4..... Alonzo C. Brown, Pennville.....	1,883 763		
Grant.....	1	Albert E. Shugart, Marion, R. 11.....	6,642		
Howard.....	1	George W. Freeman, Oakford.....	1,176		
Cinton.....	1	Marshall Thatcher, Frankfort..... Truman A. Goldsberry, Frankfort.....	1,716 1,704		
Fountain.....	1	Earle M. Myers, Kingman..... James C. Claypool, Veedersburg, R. 4..... Walter B. Remley, Waynetown..... James D. Wilson, New Richmond R. 2..... Richard Lowe, Crawfordsville..... William U. Lane, Advance..... Perry Johnson, Atlanta, R. 1..... Thomas B. Lindley, Westfield, R. 1..... Henry M. Caylor, Noblesville..... Oscar F. Lydy, Noblesville..... James L. Bishop, Arcadia, R. 1..... Walter Hunt, Noblesville, R. 7..... Caleb C. Williams, Pendleton, R. 3..... Wallace B. Campbell, Anderson..... James M. Hundley, Summitville..... James L. Creson, Anderson.....	1,767 1,469 1,651 1,312 1,345 1,828 603 519 749 673 1,493 3,558 3,292 2,675 1,399	Frank D. Nolan, Crawfordsville, R. 6..... James B. Elmore, Waynetown, R. R. 1..... Edward B. Bender, Zionsville..... William E. Wilson, Sheridan.....	1,806 983
Boone.....	1				
Hamilton.....	1				
Madison.....	2			John F. P. Thursten, Summitville..... Myron H. Post, Anderson..... Fred V. Culp, Anderson..... Joseph T. Day, Anderson..... Roscoe V. Hodson, Anderson..... Edward J. Ronsheim, Anderson..... George Laufer, Fortville, R. 1..... Winfield S. Porter, Muncie..... Noah J. Paul, Muncie.....	3,624 2,836 892 2,210 1,877 589 1,087 1,233 1,202
Delaware.....	2	Lemuel A. Pittenger, Selma, R. 1..... Isaac N. Trent, Muncie..... Julia D. Nelson, Muncie..... Ernest C. Haynes, Muncie.....	4,621 3,819 2,977 3,019		

STATE JOINT REPRESENTATIVES.

COUNTIES	William A. Hill, R.	Arthur O. J. Krieger, R.	Jay J. Overmyer, R.	John P. Kimmell, D.
Lake.....	7,658	5,132	3,267	720
Porter.....	1,005	2,042	2,015	293
Total.....	8,663	7,174	5,282	1,013

William A. Hill, Hammond.
John P. Kimmell, McCool.

COUNTIES	Isaac Harvey Hull, R.	Lemuel Darrow, D.
Laporte.....	3,965	2,939
Starke.....	1,644	1,041
Total.....	5,609	3,980

Isaac Harvey Hull, Hanna.
Lemuel Darrow, Laporte.

COUNTIES	M. C. Murray, R.	Otis L. Ballou, D.
Lagrange.....	2,260	361
Steuben.....		
Total.....	2,260	361

M. C. Murray, Stroh.
Otis L. Ballou, Lagrange.

COUNTIES	Eph. P. Dailey, R.	Chester A. Lincoln, R.	J. Lee Emery, D.	Albert L. Lawrence, D.	James D. Butt, D.
Allen.....	2,407	1,015	1,509	617	3,394
Whitley.....	601	935	915	852	734
Total.....	3,008	1,950	2,424	1,469	4,128

Eph. P. Dailey, Fort Wayne.
James D. Butt, Arcola.

COUNTIES	Harris E. Butler, R.	Charlie W. Safford, R.	Francis P. McNeff, R.	Lee E. Shafer, D.	George Burson, D.
Fulton.....	820	895	754	1,144	797
Pulaski.....	607	267	515	697	905
Total.....	1,427	1,162	1,269	1,841	1,702

Harris E. Butler, Rochester.
Lee E. Shafer, Grass Creek.

STATE JOINT REPRESENTATIVES—Continued.

COUNTIES	Jacob D. Rich, R.	Ellis Jones, D.
Jasper.....		
Newton.....	1,756	836
Total.....	1,756	836

Ellis Jones, Remington.
Jacob D. Rich, Brook.

COUNTIES	Harry Kretschman, R.	Wesley M. Girard, R.	James W. Gardner, R.	Samuel Young, R.	Charles H. Dodson, D.
Benton.....	1,418	170	596	309	837
White.....	423	299	836	1,001	1,367
Total.....	1,841	469	1,432	1,310	2,204

Harry Kretschman, Otterbein.
Charles H. Dodson, Otterbein.

COUNTIES	William R. Lytle, R.	Charles V. McCloskey, D.
Cass.....		
Carroll.....	1,823	1,536
Total.....	1,823	1,536

William T. Lytle, Burlington.
Charles V. McCloskey, Camden, R. R. 1.

	Earl B. Adams, R.	Thurman A. Gottschalk, D.	John H. Hedrick, D.
Adams.....	801	2,784	488
Wells.....		1,595	1,319
Total.....	801	4,379	1,807

Earl B. Adams, Decatur.
Thurman A. Gottschalk, Berne.

COUNTIES	Wayne S. Tucker, R.	Samuel J. Ferrell, R.	Clifford Townsend, D.	E. B. McDowell, D.
Grant.....	4,527	1,941	1,370	982
Blackford.....	407	1,076	1,208	489
Total.....	4,934	3,017	2,578	1,471

Wayne S. Tucker, Jonesboro.
Clifford Townsend, Marion.

STATE JOINT REPRESENTATIVES—Continued.

COUNTIES	Lonzo L. Shull, R.	Linville O. Teeter, R.	Harry A. Binkley, R.	Francis M. Henderson, R.	Thomas E. Wooldridge, D.
Howard.....	3,129	928	1,805	1,030	.....
Tipton.....	589	284	910	241	.....
Total.....	3,718	1,212	2,715	1,271	.....

Lonzo L. Shull, Sharpsville.
Thomas E. Wooldridge, Kokomo.

COUNTIES	Harry G. Leslie, R.	Russell K. Bedgood, R.	Harry Eads, D.
Tippecanoe.....	6,530	2,394	1,361
Warren.....	1,284	897	260
Total.....	7,814	3,291	1,621

Harry G. Leslie, Otterbein, R. 2.
Harry Eads, Lafayette.

COUNTIES	Elwood Morris, R.	Jose N. Bridges, R.	William H. Larrabee, D.	John F. Wiggins, D.	George H. Cooper, D.
Madison.....	3,859	2,330	2,679	1,500	3,021
Hancock.....	1,096	554	1,962	822	1,073
Total.....	4,955	2,884	4,641	2,322	4,093

Elwood Morris, Mt. Comfort, R. R.
William H. Larrabee, New Palestine.

COUNTIES	Oliver P. Lafuze, R.	George M. Young, D.	Colver H. Cruse, D.
Wayne.....	4,951	800	683
Union.....	.....	362	344
Total.....	4,951	1,162	1,027

Oliver P. Lafuze, Liberty, R. 7.
George M. Young, Richmond.

COUNTIES	Charles M. Trowbridge, R.	Fred A. Bills, R.	John A. D. Wagoner, D.	Strode Hays, D.
Henry.....	2,510	2,923	238	1,277
Rush.....	2,207	1,202	1,183	521
Total.....	4,717	4,125	1,421	1,798

Charles M. Trowbridge, Mays.
Strode Hays, Newcastle.

STATE JOINT REPRESENTATIVES—Continued.

COUNTIES	William R. Phillips, R.	William F. Flack, D.	Evan L. Patterson, D.
Fayette	2,355	529	308
Franklin		1,673	1,397
Total	2,355	2,202	1,705

William R. Phillips, Glenwood, R. 2.
William F. Flack, Brookville.

COUNTIES	Frank E. Cline, R.	Thomas C. Whallon, R.	Walter W. Aikens, D.	Thomas A. Goodin, D.	Harry W. Bassett, D.
Marion	18,774	8,520	2,989	1,242	5,182
Johnson	1,901	466	2,457	1,478	516
Total	20,675	8,986	5,446	2,720	5,698

Frank E. Cline, Bargersville.
Harry W. Bassett, Indianapolis.

COUNTIES	John E. Harrison, R.	Willis E. Gill, D.
Putnam	2,993	4,019
Owen		
Total	2,993	4,019

John E. Harrison, Spencer.
Willis E. Gill, Cloverdale.

COUNTIES	William C. Pulse, R.	William R. Pleak, R.	Herrod Carr, R.	John G. Klein, D.
Decatur	1,911	1,134	496	.....
Jennings	953	446	801	1,435
Total	2,864	1,580	1,297	1,435

William C. Pulse, Greensburg.
John G. Klein, North Vernon, R. 5.

COUNTIES	Dewitt C. Wilber, R.	Julius G. Schwing, D.	George W. Elliott, D.
Dearborn	1,399	2,255	1,231
Ohio	425	86	528
Total	1,824	2,341	1,759

Dewitt C. Wilber, Aurora, R. 3.
Julius G. Schwing, Greendale.

STATE JOINT REPRESENTATIVES—Continued.

COUNTIES	John W. Johnson, R.	Madison F. Holman, D.
Ripley.....	1,907	1,822
Switzerland.....	1,158	1,634
Total.....	3,065	3,456

John W. Johnson, Patriot.
Madison F. Holman, Osgood.

COUNTIES	Charles E. Dean, R.	Meyer Gladstein, R.	George W. Miles, D.	Clarence T. Custer, D.
Jefferson.....	2,530	1,597	960	1,316
Scott.....	521	700	778	805
Total.....	3,051	2,297	1,738	2,121

Charles E. Dean, Nabb, R. 1.
Clarence T. Custer, Dupont.

COUNTIES	Chester Miller, R.	Sherman Hall, D.
Jackson.....		
Brown.....	238	809
Total.....	238	809

Chester Miller, Seymour.
Sherman Hall, Crothersville.

COUNTIES	Lewis C. Carter, R.	Will Nicholson, D.	Walter R. Colglazier, D.	Henry E. Smith, D.
Washington.....	1,516	1,858	1,245	
Orange.....		354	544	199
Total.....	1,516	2,212	1,789	199

Lewis C. Carter, Salem.
Will Nicholson, Salem, R. 3.

COUNTIES	Straude E. Wiseman, R.	Abraham S. Sieg, R.	G. Remy Bierly, D.
Crawford.....	714	413	1,115
Harrison.....	1,369	1,332	
Total.....	2,083	1,745	1,115

Straude E. Wiseman, Depauw.
G. Remy Bierly, Elizabeth.

STATE JOINT REPRESENTATIVES—Continued.

COUNTIES	Walter L. Jay, R.	George L. Hoffman, D.	Eldo W. Wood, D.	James M. Songer, D.
Martin.....	1,230	951	330	379
Dubois.....	585	2,645	754	1,824
Total.....	1,815	3,596	1,084	2,203

Walter L. Jay, Loogootee, R. 1.
George L. Hoffman, Jasper, R. 3.

COUNTIES	Albert J. Wedeking, R.	Sid Cummings, R.	T. J. Mullen, D.	John P. Chrisney, D.
Perry.....	281	1,125	1,129	1,022
Spencer.....	1,912	893	754	1,693
Total.....	2,193	2,018	1,883	2,715

Albert J. Wedeking, Dale.
John P. Chrisney, Chrisney.

COUNTIES	W. B. Anderson, R.	Edgar Livingston, D.
Knox.....		
Pike.....	1,489	1,085
Total.....	1,489	1,085

W. B. Anderson, Oakland City.
Edgar Livingston, Bruceville.

COUNTIES	Thomas B. Brown, R.	Brainerd Oaks Hanby, R.	Fritz Long, R.	Carl A. Weilbrenner, R.	Frederick H. Martin, D.
Posey.....	223	339	302	639	2,364
Vanderburgh.....	2,877	891	2,589	2,097	3,943
Warrick.....	715	408	426	584	2,158
Total.....	3,815	1,638	3,317	3,320	8,465

Thomas B. Brown, Mt. Vernon.
Frederick H. Martin, Newburgh, R. 1.

JUDGES OF THE CIRCUIT COURT.

SECOND CIRCUIT.

COUNTIES	Roscoe Kiper, R.	Union W. Youngblood, R.	Caleb J. Lindsey, D.	Zachariah Turpen, D.	Ora A. Davis, D.
Warrick.....	1,143	1,273	1,439	859	903

Union W. Youngblood, Boonville.
Caleb J. Lindsey, Boonville.

NINTH CIRCUIT.

COUNTY	John W. Donaker, R.	Cassius B. Cooper, D.	Carl J. Kollmeyer, D.
Bartholomew.....	3,372	1,713	2,213

John W. Donaker, Columbus.
Carl J. Kollmeyer, Columbus.

SIXTEENTH CIRCUIT.

COUNTY.	Elmer Bassett, R.	Harry C. Morrison, D.
Shelby.....	2,616	4,650

Elmer Bassett Shelbyville.
Harry C. Morrison, Shelbyville.

THIRTY-SECOND CIRCUIT.

COUNTY	John C. Richter, R.	James F. Gallaher, D.
Laporte.....	4,081	3,534

John C. Richter, Laporte.
James F. Gallaher, Michigan City.

THIRTY-FOURTH CIRCUIT.

COUNTIES	James S. Drake, R.
Elkhart.....	4,676
Lagrange.....	2,551
Total.....	7,227

James S. Drake, Goshen.

THIRTY-FIFTH CIRCUIT.

COUNTIES	James E. Pomeroy, R.	William P. Endicott, R.	Walter D. Stump, D.
Dekalb.	1,615	1,627	2,906
Steuben.	1,686	1,768	.....
Total.	3,301	3,395	2,906

William P. Endicott, Butler.
Walter D. Stump, Auburn.

THIRTY-SEVENTH CIRCUIT.

COUNTIES	Cecil C. Tague, R.	Albert J. Peine, D.	I. N. McCarty, D.	Marsh R. Alexander, D.	George L. Gray, D.
Franklin.		1,847	836	281	648
Union.		287	191	32	327
Total.		2,134	1,027	313	975

Cecil C. Tague, Brookville.
Albert J. Peine, Brookville.

FORTY-SIXTH CIRCUIT.

COUNTY	Clarence W. Dearth, R.	Ozro N. Cranor, R.	Everett Warner, R.	William A. Thompson, R.	Adolph C. Silverburg, D.
Delaware.	4,292	331	2,869	1,422	1,660

Clarence W. Dearth, Muncie.
Adolph C. Silverburg, Muncie.

FORTY-SEVENTH CIRCUIT.

COUNTY	Everett A. Davisson, R.	W. Bert Conley, R.	Edward B. James, R.	Edward E. Neel, R.	Hezzie B. Pike, R.	Edbert P. Zell, R.	Ernest M. Causey, D.	William C. Wait D.
Vermillion.	872	782	666	87	676	261	722	1,373

Everett A. Davisson, Clinton.
William C. Wait, Newport.

FORTY-EIGHTH CIRCUIT.

COUNTY	J. Frank Charles, R.	Wilber E. Williams, D.
Grant.	6,775	2,370

J. Frank Charles, Marion.
Wilber E. Williams, Marion.

JUDGES OF THE CIRCUIT COURT—Continued.

FORTY-NINTH CIRCUIT.

COUNTIES	Frank E. Gilkison, R.	Milton S. Hastings, R.	Alvin Padgett, D.
Daviess	1,539	2,624	2,565
Martin.....	1,034	674	1,443
Total	2,573	3,298	4,008

Milton S. Hastings, Washington.
Alvin Padgett, Washington.

FIFTY-EIGHTH CIRCUIT.

COUNTY	Roscoe D. Wheat, R.	Emerson E. McGriff, D.	Frank Gillespie, D.
Jay.....	2,212	1,566	1,757

Roscoe D. Wheat, Robinwood, R. 12.
Frank Gillespie, Portland, R. 2.

SIXTY-SECOND CIRCUIT.

COUNTY	William C. Overton, R.	Albert B. Kirkpatrick, R.	Fred J. Byers, R.	Clarence H. Wills, R.	John Marshall, D.
Howard.....	2,669	2,211	1,680	1,553	.....

William C. Overton, Kokomo.
John Marshall, Kokomo.

SIXTY-EIGHTH CIRCUIT.

COUNTY	Howard L. Hancock, R.	Henry Daniels, R.	Forrest W. Ingram, D.	C. Ray Collings, D.	Roy Baker, D.
Parke.....	2,529	1,963	176	394	942

Howard L. Hancock, Rockville.
Roy Baker, Rockville.

SUPERIOR COURT JUDGES.

COUNTY	Robert J. Tracewell, R.	Harlan B. McCoy, R.	Lane B. Osborn, D.
Vanderburgh.....	5,328	4,537	.....

Robert J. Tracewell, Evansville.
Lane B. Osborn, Evansville.

COUNTY	William N. Ballou, R.	Charles J. Ryan, D.
Allen	3,718	5,338

William N. Ballou, Fort Wayne.
Charles J. Ryan, Fort Wayne.

SUPERIOR COURT JUDGES—Continued.

COUNTY	James S. Dodge, R.	Forrest E. Hughes, R.	William B. Hile, R.	Clarendon Clyde Ray- mer, D.	Orrin H. Markel, D.
Elkhart.....	1,475	918	2,925	1,245	1,026

William B. Hile, Elkhart.
Clarendon C. Raymer, Elkhart.

COUNTY	Robert F. Murray, R.	William C. Coryell, D.
Grant.....	5,987	2,366
Delaware.....	6,885	1,317
Total.....	12,872	3,683

Robert F. Murray, Muncie.
William C. Coryell, Marion.

COUNTY	Virgil S. Reiter, R.	LeGrand T. Meyer, D.
Lake, Room 1.....	13,111	843

Virgil S. Reiter, Hammond.
LeGrand T. Meyer, Hammond.

COUNTY	Maurice Edward Crites, R.
Lake, Room 2.....	11,943

Maurice Edward Crites, East Chicago.

COUNTY	Charles E. Greenwald, R.	Emmet N. White, D.
Lake, Room 3.....	13,117	789

Charles E. Greenwald, Gary.
Emmet N. White, Gary.

COUNTY	James M. Leathers, R.	William W. Thornton, R.	Salem D. Clark, D.	Clifton R. Cameron, D.
Marion, Room 1.....	17,076	17,043	7,233	4,625

James M. Leathers, Indianapolis.
Salem D. Clark, Indianapolis.

COUNTY	Linn D. Hay, R.	Frank M. Hay, R.	T. Ernest Maholm, R.	George N. Burkhart, D.	Smiley N. Chambers, D.
Marion, Room 2.....	18,862	4,896	8,325	4,403	7,253

Linn D. Hay, Indianapolis.
Smiley N. Chambers, Indianapolis.

SUPERIOR COURT JUDGES—Continued.

COUNTY	John L. Benedict, R.	J. Fred Masters, R.	Sidney S. Miller, R.	Edward W. Little, D.
Marion, Room 3	6,137	13,174	14,456	9,746

Sidney S. Miller, Indianapolis.
Edward W. Little, Indianapolis.

COUNTY	Clinton H. Givan, R.	James E. McDonald, R.	John W. Bowlus, R.	William O. Dunlavy, R.	Clarence Ellsworth Weir, D.
Marion, Room 4	9,587	8,726	6,326	7,411	9,401

Clinton H. Givan, Indianapolis.
Clarence Ellsworth Weir, Indianapolis.

COUNTY	Theophilus J. Moll, R.	Reuben N. Miller, R.	Richard L. Ewbank, R.	Gideon W. Blain, D.	Joseph R. Williams, D.
Marion, Room 5	13,701	5,471	13,492	5,833	5,346

Theophilus J. Moll, Indianapolis.
Gideon W. Blain, Indianapolis.

COUNTY	Lewis E. Kimberlin, R.	Francis A. Walker, R.	Willis S. Ellis D.	Jesse C. Shuman D.
Madison	3,023	3,887	3,512	2,290

Francis A. Walker, Anderson.
Willis S. Ellis, Anderson.

COUNTY	Harry L. Crumpacker, R.	Warren C. Ransburg, D.
Laporte	4,507	2,907
Porter	4,112	292
Total	8,916	3,199

Harry L. Crumpacker, Michigan City.
Warren C. Ransburg, Laporte.

COUNTY	Alfred E. Martin, R.	J. Fred Bingham, D.
St. Joseph, Room 1	4,241	2,579

Alfred E. Martin, South Bend.
J. Fred Bingham, Mishawaka.

SUPERIOR COURT JUDGES—Continued.

COUNTY	Fred C. Klein, R.	Antony A. Wolfe, D.
St. Joseph, Room 2.....	4,273	2,364

Fred C. Klein, South Bend.
Antony A. Wolfe, South Bend.

COUNTY	Henry H. Vinton, R.	Horace H. Lewis, R.
Tippecanoe.....	7,087	1,898

Henry H. Vinton, Lafayette.

COUNTY	Chester Y. Kelly, R.	Sam Beecher, R.	Henry W. Moore, D.	John E. Cox, D.
Vigo.....	6,273	5,070	4,675	6,315

Chester Y. Kelly, Terre Haute.
John E. Cox, Terre Haute.

PROBATE COURT JUDGE.

COUNTY	Mahlon E. Bash, R.	Harold K. Bachelder, D.
Marion.....	20,560	9,170

Mahlon E. Bash, Indianapolis.
Harold K. Bachelder, Indianapolis.

CRIMINAL COURT JUDGES.

COUNTY	Charles T. Kaelin, R.	James A. Collins, R.	James D. Ermston, D.
Marion.....	6,237	27,035	9,192

James A. Collins, Indianapolis.
James D. Ermston, Indianapolis.

JUVENILE COURT JUDGE.

COUNTY	Joseph A. Minturn, R.	Frank J. Lahr, R.	Robert N. Fulton, R.	Jacob L. Steinmetz, D.	Jesse Sanford, D.
Marion.....	6,669	17,891	9,387	5,864	5,239

Frank J. Lahr, Indianapolis.
Jacob L. Steinmetz, Indianapolis

PROSECUTING ATTORNEYS

FIRST CIRCUIT

COUNTY	Charles F. Werner, Republican	Thomas W. Lindsey, Republican	Henry T. Hardin, Democrat
Vanderburgh.....	6,197	3,709	.....

Charles F. Werner, Evansville.
Henry T. Hardin, Evansville.

SECOND CIRCUIT

COUNTY	Henry A. Bippus, Republican	John W. Roberts, Republican	George A. Lutz, Democrat
Warrick.....	1,314	988	1,961

Henry A. Bippus, Newburg.
George A. Lutz, Boonville.

THIRD CIRCUIT

COUNTIES	Phillip S. Seacat, Republican	Sam P. Vogt, Democrat
Crawford.....	982	1,070
Harrison.....		
Total.....	982	1,070

Phillip S. Seacat, Depauw.
Sam P. Vogt, Corydon, R. 1.

FOURTH CIRCUIT

COUNTY	James L. Bottorff, Democrat
Clark.....

James L. Bottorff, Jeffersonville.

FIFTH CIRCUIT

COUNTIES	George B. Hall, Jr., Republican	Harvey J. Zearing, Democrat
Jefferson.....		
Switzerland.....	1,134	1,659
Total.....	1,134	1,659

George B. Hall, Jr., Vevay.
Harvey J. Zearing, Madison.

PROSECUTING ATTORNEYS—Continued

SIXTH CIRCUIT

COUNTIES	Blucher M. Owens, Republican	Benjamin F. Atwell, Republican	William M. Turner, Democrat
Ripley.....	1,108	895	1,879
Jennings.....	1,073	1,130	1,354
Scott.....	846	336	1,206
Total.....	3,027	2,361	4,439

Blucher M. Owens, Scottsburg.
William M. Turner, Osgood.

SEVENTH CIRCUIT

COUNTIES	Crawford A. Peters, Republican	Thomas A. Cooper, Democrat
Dearborn.....	1,482	2,560
Ohio.....	439	530
Total.....	1,921	3,090

Crawford A. Peters, Aurora.
Thomas A. Cooper, Aurora.

EIGHTH CIRCUIT

COUNTIES	Hugh E. Vandiver, Republican	John P. Wright, Democrat
Brown.....	224	934
Johnson.....	1,841	3,486
Total.....	2,065	4,420

Hugh E. Vandiver, Franklin.
John P. Wright, Franklin.

NINTH CIRCUIT

COUNTY	Archibald T. Conner, Republican	John E. Summa
Bartholomew.....	2,971	3,022

Archibald T. Conner, Columbus.
John E. Summa, Columbus.

TENTH DISTRICT

COUNTIES	Glen B. Woodward, Republican	Simpson L. Robertson, Republican	Frank J. Dunn, Democrat
Monroe.....	2,291	1,735	1,802
Owen.....	758	1,032	.....
Total.....	3,049	2,767	1,802

Glen B. Woodward, Bloomington.
Frank J. Dunn, Bloomington.

PROSECUTING ATTORNEYS—Continued

ELEVENTH CIRCUIT

COUNTY	James S. Kilroy, Democrat
Posey.....	2,648

James S. Kilroy, Poseyville.

TWELFTH CIRCUIT

COUNTY	John Rabb Emison, Republican	Merle C. Loucks, Republican	Floyd L. Young, Democrat	Horace A. Foncannon, Democrat
Knox.....	3,217	983	3,918	1,514

John Rabb Emison, Vincennes.
Floyd L. Young, Vincennes.

THIRTEENTH CIRCUIT

COUNTY	Henry A. McShanog, Republican	Roy V. Tozer, Democrat
Clay.....	2,908	3,572

Henry A. McShanog, Knightsville.
Roy V. Tozer, Brazil.

FOURTEENTH CIRCUIT

COUNTY	Burl O. Buckley, Republican	Norval K. Harris, Democrat
Sullivan.....	1,576	4,092

Burl O. Buckley, Shelburn.
Norval K. Harris, Sullivan.

FIFTEENTH CIRCUIT

COUNTY	Omar O'Harrow, Republican	Oral W. Smith, Republican	Fred W. Steiger, Democrat
Morgan.....	1,705	1,984	.....

Oral W. Smith, Martinsville.
Fred W. Steiger, Centerton.

SIXTEENTH CIRCUIT

COUNTY	Ara E. Lisher, Republican	George S. Billman, Democrat	Arthur L. McLane, Democrat
Shelby.....	2,501	2,232	2,762

Ara E. Lisher, Shelbyville.
Arthur L. McLane, Shelbyville.

PROSECUTING ATTORNEYS—Continued

SEVENTEENTH CIRCUIT

COUNTY	Paul A. Beckett, Republican	Frank T. Strayer, Republican	James F. Pace, Democrat	A. O. Vioni, Democrat
Wayne.....	3,361	3,919	1,195	283

Frank T. Strayer, Richmond.
James F. Pace, Richmond.

EIGHTEENTH CIRCUIT

COUNTY	George F. Dickman, Republican	Waldo C. Ging, Democrat	George T. Tindall, Democrat
Hancock.....		2,473	1,402

George F. Dickmann, Greenfield.
Waldo C. Ging, Greenfield.

NINETEENTH CIRCUIT

COUNTY	William P. Evans, Republican	John D. Blue, Democrat	Richard M. Coleman, Democrat
Marion.....	25,295	4,145	8,257

William P. Evans, Indianapolis.
Richard M. Coleman, Indianapolis.

TWENTIETH CIRCUIT

COUNTY	Guy M. Voris, Republican	Ruel H. Cain, Democrat	Carl W. Lambert, Democrat
Boone.....		1,912	1,749

Guy M. Voris, Lebanon.
Ruel H. Cain, Lebanon.

TWENTY-FIRST CIRCUIT

COUNTIES	Wilbur G. Nolin, Republican
Benton.....	2,155
Warren.....	1,799
Total.....	3,954

Wilbur G. Nolin, Fowler.

PROSECUTING ATTORNEYS—Continued

TWENTY-SECOND CIRCUIT

COUNTY	Harry D. Michael, Republican	Thomas E. O'Connor, Democrat
Montgomery.....	3,688	2,275

Harry D. Michael, Crawfordsville.
Thomas E. O'Connor, New Market.

TWENTY-THIRD CIRCUIT

COUNTY	Mark L. Thompson, Republican	Edward J. O'Connor, Republican	Lovell J. Ledman, Republican	Fred W. Saers, Republican	William A. Dresser, Republican	Francis J. Murphy, Democrat
Tippecanoe.....	4,054	2,769	833	196	1,427	1,432

Mark L. Thompson, Lafayette.
Francis J. Murphy, Lafayette.

TWENTY-FOURTH CIRCUIT

COUNTY	Ralph H. Waltz, Republican	George W. Osborn, Democrat
Hamilton.....		

Ralph H. Waltz, Arcadia.
George W. Osborn, Sheridan.

TWENTY-FIFTH CIRCUIT

COUNTY	Ernest M. Dunn, Republican	Ira Vernon, Republican	Bert E. Woodbury, Democrat
Randolph.....	3,503	1,981	

Ernest M. Dunn, Union City.
Bert E. Woodbury, Union City.

TWENTY-SIXTH CIRCUIT

COUNTY	Wade L. Manley, Republican	Adam C. Butcher, Democrat	Frank S. Armantrout, Democrat	Homer H. Knodle, Democrat	E. Burt Lenhart, Democrat
Adams.....	791	1,160	863	542	1,241

Wade L. Manley, Geneva.
E. Burt Lenhart, Decatur.

TWENTY-SEVENTH CIRCUIT

COUNTY	Howard E. Plummer, Republican
Wabash.....	

Howard E. Plummer, Wabash.

PROSECUTING ATTORNEYS—Continued

TWENTY-EIGHTH CIRCUIT

COUNTIES	Victor H. Simmons, Republican	William A. Burns, Democrat
Blackford.....	1,196	1,603
Wells.....		
Total.....	1,196	1,603

Victor H. Simmons, Hartford City.
William A. Burns, Hartford City.

TWENTY-NINTH CIRCUIT

COUNTIES	Don Douglass, Republican	Robert J. Arthur, Democrat
Cass.....		

Don Douglass, Logansport.
Robert J. Arthur, Logansport.

THIRTIETH CIRCUIT

COUNTIES	James C. Murphy, Republican
Jasper.....	
Newton.....	1,580
Total.....	1,580

James C. Murphy, Morocco.

THIRTY-FIRST CIRCUIT

COUNTY	Dwight Monroe Kinder, Republican
Lake.....	13,631

Dwight Monroe Kinder, Gary.

THIRTY-SECOND CIRCUIT

COUNTY	John B. Dilworth, Republican	Joseph Dudeck, Republican	Walter C. Williams, Republican	Leonard R. Henoch, Democrat	Paul A. Krueger, Democrat
Laporte.....	2,913	407	1,616	1,786	2,259

John B. Dilworth, Laporte.
Paul A. Krueger, Michigan City.

PROSECUTING ATTORNEYS—Continued

THIRTY-THIRD CIRCUIT

COUNTIES	George O. Compton, Republican	Robin Adair Strong, Democrat
Noble.....	2,531	1,528
Whitley.....	1,421	2,184
Total.....	3,952	3,712

George O. Compton, Columbia City.
Robin Adair Strong, Columbia City.

THIRTY-FOURTH CIRCUIT

COUNTIES	Glen R. Sawyer, Republican	Jonathan S. Yoder, Republican	Fred E. Cluen, Democrat	Roy Sargent, Democrat
Elkhart.....	3,288	1,915	1,026	1,245
Lagrange.....	1,356	1,130	115	227
Total.....	4,644	3,045	1,141	1,472

Glen R. Sawyer, Elkhart.
Roy Sargent, Elkhart.

THIRTY-FIFTH CIRCUIT

COUNTIES	John H. S. Walker, Republican	Charles S. Smith, Republican	Henry C. Springer, Republican
Dekalb.....	390	1,093	1,529
Steuben.....	1,038	1,218	1,037
Total.....	1,428	2,311	2,566

Henry C. Springer, Garrett.

THIRTY-SIXTH CIRCUIT

COUNTY	Alfred A. Fletcher, Republican
Tipton.....	

Alfred A. Fletcher, Tipton.

THIRTY-SEVENTH CIRCUIT

COUNTIES	Elmer F. Bossert, Republican	Clifford W. Hoffman, Democrat
Franklin.....		
Union.....		
Total.....		

Elmer F. Bossert, Brookville.
Clifford W. Hoffman, Laurel.

PROSECUTING ATTORNEYS—Continued

THIRTY-EIGHTH CIRCUIT

COUNTY	Louis F. Crosby, Republican	Samuel D. Jackson, Democrat
Allen.....	3,297	5,479

Louis F. Crosby, Ft. Wayne.
Samuel D. Jackson, Ft. Wayne.

THIRTY-NINTH CIRCUIT

COUNTIES	Glenn R. Slenker, Republican	John A. Rothrock, Democrat
Carroll.....	1,773	1,511
White.....	2,276	1,481
Total.....	4,049	2,992

Glenn R. Slenker, Monticello.
John A. Rothrock, Monticello.

FORTIETH CIRCUIT

COUNTIES	Harold Kelley, Republican	Simpson B. Lowe, Republican	Fernando W. Wesner, Democrat	Merlin C. Roach, Democrat
Lawrence.....	1,770	2,318	349	1,143
Jackson.....	572	1,003	1,826	1,636
Total.....	2,342	3,321	2,175	2,779

Simpson B. Lowe, Bedford.
Merlin C. Roach, Bedford.

FORTY-FIRST CIRCUIT

COUNTIES	Alvin F. Marsh, Republican	Charles G. Irvine, Democrat
Fulton.....	1,745	1,657
Marshall.....	2,027	1,969
Total.....	3,772	3,626

Alvin F. Marsh, Plymouth.
Charles G. Irvine, Akron.

FORTY-SECOND CIRCUIT

COUNTIES	Henry L. Heil, Republican	Samuel R. Lambdin, Democrat	Thomas P. Masterson, Democrat
Orange.....		696	621
Washington.....	1,369	786	2,447
Total.....	1,369	1,482	3,068

Henry L. Heil,*Orleans.
Thomas P. Masterson, Salem.

PROSECUTING ATTORNEYS—Continued

FORTY-THIRD CIRCUIT

COUNTY	Noble J. Johnson, Republican	Duff Caldwell, Democrat
Vigo.....	8,057	7,293

Noble J. Johnson, Terre Haute.
Duff Caldwell, Terre Haute.

FORTY-FOURTH CIRCUIT

COUNTIES	Jay M. Nye, Republican	George Dellinger, Jr., Democrat
Pulaski.....	1,347	1,433
Starke.....	1,635	1,017
Total.....	2,982	2,450

Jay M. Nye, Winamac.
George Dellinger, Jr., Winamac.

FORTY-FIFTH CIRCUIT

COUNTIES	Dan C. Flanagan, Republican	Ernest W. Thompson, Republican	Paul E. Laymon, Democrat
Clinton.....	1,432	1,876	.....

Ernest W. Thompson, Frankfort, R. 2.
Paul E. Laymon, Frankfort.

FORTY-SIXTH CIRCUIT

COUNTY	Van L. Ogle, Republican	Rollin W. Lennington, Republican	Cary A. Taughinbaugh, Democrat	Obed Kilgore, Democrat
Delaware.....	4,176	3,775	502	1,295

Van L. Ogle, Muncie.
Obed Kilgore, Muncie.

FORTY-SEVENTH CIRCUIT

COUNTIES	Robert E. Guinn, Republican	James H. Storm, Democrat	Willis A. Satterlee, Democrat
Vermillion.....	414	1,472

Robert E. Guinn, Clinton.
Willis A. Satterlee, Clinton.

PROSECUTING ATTORNEYS—Continued

FORTY-EIGHTH CIRCUIT

COUNTIES	Elzona H. Graves, Republican	Miles C. Coble, Republican	A. Jay Keever, Republican	J. Walter McClellan, Democrat	William H. Winsett, Democrat
Grant.....	2,175	2,189	2,952	1,786	736

A. Jay Keever, Jonesboro.
J. Walter McClellan, Matthews.

FORTY-NINTH CIRCUIT

COUNTIES	J. Earle Thompson, Republican	John H. Spencer, Democrat
Daviess.....	3,179	2,422
Martin.....	1,227	1,210
Total.....	4,406	3,632

J. Earle Thompson, Washington.
John H. Spencer, Washington.

FIFTIETH CIRCUIT

COUNTY	Arthur A. Beckman, Republican	Carter Vermillion, Republican	Emmett Costello, Democrat	Charles E. Smith, Democrat
Madison.....	4,038	2,761	1,715	3,861

Arthur A. Beckman, Anderson.
Charles E. Smith, Anderson.

FIFTY-FIRST CIRCUIT

COUNTY	Hugh P. Lawrence, Republican	Adelbert W. Matt, Democrat	Rodney H. Bayless, Democrat
Miami.....		1,774	2,390

Hugh P. Lawrence, Peru.
Rodney H. Bayless, Peru.

FIFTY-SECOND CIRCUIT

COUNTY	Charles R. McBride, Republican	Charles R. Turner, Democrat	William E. Coolman, Democrat	Harry W. Carpenter, Democrat
Floyd.....	2,400	2,704	409	1,532

Charles R. McBride, New Albany.
Charles R. Turner, New Albany.

PROSECUTING ATTORNEYS—Continued

FIFTY-THIRD CIRCUIT

COUNTY	George R. Jeffrey, Republican	William J. Kelly, Democrat
Henry.....		

George R. Jeffrey, Newcastle.
William J. Kelly, Middletown.

FIFTY-FOURTH CIRCUIT

COUNTY	William Gray Loehr, Republican	Morrison A. Rockhill, Republican	George L. Xanders, Democrat
Kosciusko.....	2,830	3,069	

Morrison A. Rockhill, Mentone.
George L. Xanders, Syracuse.

FIFTY-FIFTH CIRCUIT

COUNTY	John T. Hume, Republican	William J. Goff, Republican	Archie J. Kahl, Democrat
Hendricks.....	3,009	1,439	

John T. Hume, Danville.
Archie J. Kahl, Danville.

FIFTY-SIXTH CIRCUIT

COUNTY	Howard W. Kaey, Republican	Knowlton H. Kelsey, Republican	Burdge H. Hurd, Democrat
Huntington.....	1,682	2,263	3,235

Knowlton H. Kelsey, Huntington.
Burdge H. Hurd, Huntington.

FIFTY-SEVENTH CIRCUIT

COUNTIES	Stanley M. Krieg, Democrat	Carl M. Gray, Democrat
Dubois.....	1,941	3,156
Pike.....	464	1,085
Total.....	2,405	4,241

Carl M. Gray, Petersburg.

FIFTY-EIGHTH CIRCUIT

COUNTY	Austin H. Williamson, Republican	Guy Bryan, Democrat
Jay.....	2,299	2,404

Austin H. Williamson, Redkey.
Guy Bryan, Portland.

PROSECUTING ATTORNEYS—Continued

SIXTIETH CIRCUIT

COUNTY	Frank E. Coughlin, Republican	Floyd O. Jellison, Republican	M. Edward Doran, Democrat
St. Joseph.....	3,215	3,027	2,608

Frank E. Coughlin, South Bend.
M. Edward Doran, South Bend.

SIXTY-FIRST CIRCUIT

COUNTY	Harvey McBroom, Republican	John P. Brissey, Republican
Fountain.....	1,431	1,799

John P. Brissey, Veedersburg.

SIXTY-SECOND CIRCUIT

COUNTY	Forest A. Harness, Republican	George W. Hobson, Republican
Howard.....	5,166	2,574

Forest A. Harness, Kokomo.

SIXTY-THIRD CIRCUIT

COUNTY	Alfred M. Beasley, Republican	Al D. English, Republican	Cary L. Harrel, Republican	George G. Humphreys, Democrat
Greene.....	2,123	1,045	1,476	.....

Alfred M. Beasley, Linton.
George G. Humphreys, Linton.

SIXTY-FOURTH CIRCUIT

COUNTY	Frank Stoessel, Republican	Fay S. Hamilton, Democrat	Glenn H. Lyon, Democrat
Putnam.....	2,979	2,090	2,568

Frank Stoessel, Greencastle.
Glenn H. Lyon, Greencastle.

SIXTY-FIFTH CIRCUIT

COUNTY	John F. Joyce, Republican	Albert C. Stevens, Republican	Gates Ketchum, Democrat
Rush.....	1,711	1,705	.....

John F. Joyce, Rushville.
Gates Ketchum, Rushville.

PROSECUTING ATTORNEYS—Continued

SIXTY-SIXTH CIRCUIT

COUNTY	James J. Robinson, Republican	George L. Bridenbager, Democrat	Clarence C. Rumer, Democrat	James P. Duncan, Democrat
Gibson.....	3,082	1,582	693	855

James J. Robinson, Princeton.
George L. Bridenbager, Owensville.

SIXTY-SEVENTH CIRCUIT

COUNTY	Joseph S. Bartholomew Republican	Percy J. Bailey, Republican	Parmenius Lyon, Republican	Field Ray Marine, Republican
Porter.....	1,482	1,398	212	2,138

Field Ray Marine, Valparaiso.

SIXTY-EIGHTH CIRCUIT

COUNTY	Earl M. Dowd, Republican	Hugh H. Banta, Democrat
Parke.....	3,287	1,174

Earl M. Dowd, Rockville.
Hugh H. Banta, Rockville.

SIXTY-NINTH CIRCUIT

COUNTY	John W. Holcomb, Republican
Decatur.....

John W. Holcomb, Greensburg.

SEVENTIETH CIRCUIT

COUNTY	Hooker Wagner, Republican	Edmund S. Lincoln, Republican	Daniel C. Goble, Democrat
Spencer.....	1,260	1,624	1,625
Perry.....	334	1,050	855
Total.....	1,594	2,674	2,480

Edmund S. Lincoln, Cannelton.
Daniel C. Goble, Cannelton.

SEVENTY-THIRD CIRCUIT

COUNTY	William E. Sparks, Republican	Grover I. Fenwick, Democrat
Fayette.....	2,642	780

William E. Sparks, Connersville.
Grover I. Fenwick, Connersville.

ABSTRACT OF VOTE

For United States Senator, State Officers, Congressmen, Judges, Prosecuting Attorneys, and Members of the General Assembly, at the general election held on November 7, 1922.

COUNTIES	UNITED STATES SENATOR			SECRETARY OF STATE		
	Albert J. Beveridge, Republican	Samuel M. Ralston, Democrat	William Henry, Socialist	Ed Jackson, Republican	Daniel M. Link, Democrat	Grover C. Smith, Socialist
Adams.....	2,836	4,521	14	2,666	4,279	18
Allen.....	13,824	16,981	266	13,705	16,748	288
Bartholomew.....	5,552	6,207	76	5,752	5,736	72
Benton.....	2,930	2,724	13	3,139	2,322	19
Blackford.....	2,909	3,035	121	2,860	2,968	124
Boone.....	5,821	6,494	37	5,964	6,384	33
Brown.....	887	1,496	23	865	1,392	21
Carroll.....	4,384	4,260	29	4,477	4,081	27
Cass.....	7,318	9,767	188	7,925	8,680	196
Clark.....	5,081	6,698	74	5,176	6,160	71
Clay.....	4,784	6,404	327	4,831	5,864	319
Clinton.....	6,430	7,135	71	6,631	6,931	64
Crawford.....	2,246	2,777	18	2,200	2,668	15
Daviess.....	6,014	6,539	124	6,146	6,087	123
Dearborn.....	4,176	5,277	85	4,283	4,823	85
Decatur.....	4,758	4,496	42	4,908	4,144	47
Dekalb.....	5,016	5,911	98	4,384	6,398	104
Delaware.....	10,555	8,023	43	11,658	6,278	41
Dubois.....	2,532	5,031	75	2,531	4,747	70
Elkhart.....	9,122	8,222	275	9,398	7,212	317
Fayette.....	4,238	3,480	56	4,293	3,192	53
Floyd.....	5,234	7,550	126	5,346	6,941	122
Fountain.....	4,598	4,759	226	4,676	4,625	226
Franklin.....	3,307	4,340	20	3,323	4,062	22
Fulton.....	3,873	4,021	119	3,919	3,850	113
Gibson.....	6,445	7,499	316	6,597	6,987	329
Grant.....	9,019	8,850	496	8,837	8,211	525
Greene.....	6,457	7,484	855	6,680	6,734	849
Hamilton.....	6,201	4,537	46	6,267	4,097	47
Hancock.....	3,545	4,927	42	3,612	4,584	42
Harrison.....	4,215	4,590	35	4,082	4,442	33
Hendricks.....	5,391	4,446	42	5,637	4,202	42
Henry.....	6,255	6,063	227	6,984	5,294	214
Howard.....	6,689	5,694	1,670	6,882	4,795	1,753
Huntington.....	6,593	7,638	126	6,839	7,090	134
Jackson.....	3,931	6,175	78	3,972	5,753	77
Jasper.....	3,405	2,610	30	3,509	2,332	31
Jay.....	5,773	5,597	66	5,619	5,433	74
Jefferson.....	5,138	4,707	57	5,233	4,397	57
Jennings.....	3,148	3,290	50	3,212	3,033	53
Johnson.....	4,448	5,744	89	4,535	5,283	87
Knox.....	7,950	9,665	685	8,007	8,991	665
Kosciusko.....	6,766	5,280	104	6,734	4,984	97
Lagrange.....	3,362	1,822	22	3,227	1,771	21
Lake.....	14,564	10,248	395	15,383	9,370	390
Laporte.....	8,236	7,094	306	8,289	6,660	302
Lawrence.....	5,353	5,345	75	5,569	4,827	76
Madison.....	13,060	14,299	506	13,430	13,800	520
Marion.....	42,725	49,067	1,132	47,668	44,295	1,133
Marshall.....	5,227	5,212	97	5,141	5,039	91
Martin.....	2,683	2,866	30	2,657	2,775	27
Miami.....	5,445	7,892	242	5,773	7,231	213
Monroe.....	4,805	5,487	39	5,049	4,867	42
Montgomery.....	7,271	7,054	56	7,494	6,776	56
Morgan.....	4,639	4,818	75	4,716	4,500	76

ABSTRACT OF VOTE—Continued

COUNTIES	UNITED STATES SENATOR			SECRETARY OF STATE		
	Albert J. Beveridge, Republican	Samuel M. Ralston, Democrat	William Henry, Socialist	Ed Jackson, Republican	Daniel M. Link, Democrat	Grover C. Smith, Socialist
Newton	2,181	1,947	6	2,584	1,845	8
Noble	5,195	4,477	80	5,142	4,282	81
Ohio	1,052	1,215	.....	1,040	1,169	.....
Orange	4,053	3,722	43	4,045	3,462	39
Owen	2,793	3,525	69	2,860	3,217	70
Parke	4,488	4,358	114	4,477	3,999	118
Perry	3,439	4,091	54	3,378	3,961	5
Pike	3,515	3,798	379	3,485	3,539	345
Porter	3,961	2,489	125	4,002	1,960	118
Posey	3,917	4,966	51	3,799	4,691	54
Pulaski	2,717	2,879	145	2,521	2,740	136
Putnam	4,590	5,753	80	4,695	5,260	83
Randolph	6,643	3,916	53	6,643	3,398	58
Ripley	4,729	4,822	60	4,730	4,679	62
Rush	5,310	4,493	46	5,396	4,213	49
Scott	1,581	2,093	10	1,599	1,935	8
Shelby	5,421	7,025	56	5,487	6,627	55
Spencer	4,539	4,402	18	4,562	4,365	16
Starke	2,346	2,167	90	2,353	2,046	85
Steuben	3,830	1,816	31	3,919	1,909	32
St. Joseph	12,657	12,990	189	13,006	12,559	177
Sullivan	4,326	6,701	349	4,380	5,997	324
Switzerland	2,478	2,755	23	2,479	2,623	21
Tippecanoe	9,321	8,282	54	9,969	7,551	55
Tipton	3,847	4,077	43	3,948	3,813	49
Union	1,829	1,452	11	1,876	1,315	9
Vanderburgh	14,301	17,065	431	15,778	15,139	410
Vermillion	3,557	4,165	322	3,690	3,691	320
Vigo	12,321	17,289	784	12,810	15,648	841
Wabash	6,448	5,627	69	6,582	5,112	74
Warren	2,488	1,414	13	2,448	1,260	15
Warriek	4,192	4,857	102	4,292	4,580	106
Washington	3,320	4,358	16	3,300	4,088	17
Wayne	8,304	8,008	118	8,607	6,566	128
Wells	3,515	4,652	26	3,420	4,390	42
White	4,162	4,122	7	4,271	3,817	5
Whitley	4,028	4,253	23	3,997	4,132	36
Total	524,558	558,169	14,635	540,260	516,703	14,717

Samuel M. Ralston (Dem.) plurality 33,611.

Ed Jackson (Rep.) plurality 23,557.

ABSTRACT OF VOTE—Continued

COUNTIES	AUDITOR OF STATE			TREASURER OF STATE		
	William G. Oliver, R.	Robert Bracken, D.	Cash A. Carter, S.	Ora J. Davies, R.	George H. DeHority, D.	Francis M. Wampler, S.
Adams.....	2,609	4,288	17	2,606	4,276	17
Allen.....	13,738	16,757	284	13,671	16,731	285
Bartholomew.....	5,461	6,006	74	5,902	5,504	73
Benton.....	3,061	2,355	19	3,070	2,343	19
Blackford.....	2,719	2,956	.....	2,879	2,823	122
Boone.....	5,903	6,438	35	5,979	6,358	35
Brown.....	850	1,398	21	854	1,381	21
Carroll.....	4,327	4,230	29	4,497	4,030	31
Cass.....	7,516	8,982	199	8,029	8,476	201
Clark.....	5,112	6,171	72	5,120	6,154	72
Clay.....	4,755	5,920	309	4,820	5,865	313
Clinton.....	6,401	7,135	69	6,730	6,838	68
Crawford.....	2,197	2,659	15	2,194	2,657	16
Daviess.....	6,082	6,112	125	6,064	6,111	128
Dearborn.....	3,748	5,308	83	4,380	4,688	81
Decatur.....	4,056	4,948	55	5,005	3,972	50
Dekalb.....	5,011	5,575	115	5,039	5,529	114
Delaware.....	9,544	8,173	39	11,445	6,168	39
Dubois.....	2,403	4,878	71	2,589	4,867	67
Elkhart.....	9,243	7,229	326	9,359	7,096	330
Fayette.....	3,852	3,604	58	4,469	2,989	56
Floyd.....	5,272	6,926	118	5,263	6,910	119
Fountain.....	4,571	4,713	229	4,688	4,596	225
Franklin.....	2,527	4,819	27	3,484	3,881	19
Fulton.....	3,885	3,859	112	3,886	3,859	113
Gibson.....	6,375	7,183	331	6,644	6,932	327
Grant.....	8,010	9,032	517	9,006	8,093	506
Greene.....	6,321	6,974	848	6,564	6,726	855
Hamilton.....	6,004	4,300	47	6,256	4,036	44
Hancock.....	3,378	4,718	47	3,581	4,511	42
Harrison.....	4,035	4,446	32	3,868	4,440	31
Hendricks.....	5,308	4,463	45	5,705	4,104	42
Henry.....	5,472	6,326	278	7,460	4,534	192
Howard.....	6,144	5,519	1,736	7,240	4,679	1,736
Huntington.....	6,677	7,199	141	6,894	7,052	140
Jackson.....	3,912	5,744	81	3,934	5,716	78
Jasper.....	3,480	2,338	29	3,477	2,347	31
Jay.....	5,252	5,739	71	5,785	5,223	70
Jefferson.....	5,162	4,426	57	5,156	4,416	59
Jennings.....	3,075	3,123	56	3,213	3,006	53
Johnson.....	4,783	5,122	66	4,478	5,303	86
Knox.....	7,672	9,277	659	8,067	8,896	663
Kosciusko.....	6,608	5,099	100	6,792	4,900	100
LaGrange.....	3,215	1,740	19	3,212	1,741	17
Lake.....	15,089	9,748	387	15,394	9,366	383
Laporte.....	7,915	6,764	304	8,329	6,373	295
Lawrence.....	5,463	4,866	76	5,483	4,859	73
Madison.....	12,442	14,689	520	13,310	13,911	516
Marion.....	47,427	44,505	1,136	47,143	44,826	1,154
Marshall.....	5,093	5,046	97	5,087	5,022	96
Martin.....	2,640	2,769	28	2,634	2,769	29
Miami.....	5,553	7,400	223	5,843	7,117	215
Monroe.....	4,795	5,070	46	4,939	4,915	41
Montgomery.....	7,403	6,843	55	7,505	6,750	56
Morgan.....	4,390	4,773	77	4,803	4,376	74
Newton.....	2,595	1,841	7	2,591	1,841	7
Noble.....	4,904	4,479	83	5,230	4,164	83
Ohio.....	989	1,207	.....	1,036	1,161	.....
Orange.....	4,030	3,463	38	4,016	3,471	38
Owen.....	2,639	3,409	69	2,906	3,145	66

ABSTRACT OF VOTE—Continued

COUNTIES	AUDITOR OF STATE			TREASURER OF STATE		
	William G. Oliver, R.	Robert Bracken, D.	Cash A. Carter, S.	Ora J. Davies, R.	George H. DeHority, D.	Francis M. Wampler, S.
Parke.....	4,417	3,985	115	4,478	3,967	115
Perry.....	3,372	3,958	48	3,371	3,963	48
Pike.....	3,516	3,575	366	3,535	3,553	366
Porter.....	3,847	1,984	132	4,053	1,932	126
Posey.....	3,751	4,726	53	3,810	4,652	50
Pulaski.....	2,492	2,742	131	2,492	2,745	131
Putnam.....	4,584	5,109	83	4,619	5,255	87
Randolph.....	5,785	4,115	66	6,721	3,219	57
Ripley.....	4,551	4,832	68	4,753	4,625	65
Rush.....	4,874	4,667	53	5,552	3,994	50
Scott.....	1,577	1,945	10	1,583	1,947	8
Shelby.....	5,123	6,910	56	5,536	6,502	50
Spencer.....	4,559	4,363	17	4,563	4,370	17
Starke.....	2,342	2,028	87	2,343	2,027	90
Steuben.....	3,780	1,698	31	3,789	1,691	31
St. Joseph.....	12,907	12,684	177	13,030	12,562	178
Sullivan.....	4,215	6,008	345	4,299	5,962	324
Switzerland.....	2,469	2,696	20	2,469	2,691	21
Tippecanoe.....	9,910	7,703	56	9,947	7,674	55
Tipton.....	3,693	4,022	55	3,884	3,842	47
Union.....	1,613	1,554	11	1,820	1,244	12
Vanderburgh.....	13,882	17,146	467	16,349	14,682	481
Vermillion.....	3,579	3,721	323	3,669	3,656	315
Vigo.....	12,568	15,717	844	12,857	15,565	850
Wabash.....	6,196	5,435	75	6,625	5,020	73
Warren.....	2,403	1,278	16	2,440	1,242	17
Warrick.....	4,208	4,578	103	4,234	4,574	106
Washington.....	3,271	4,109	19	3,251	4,071	17
Wayne.....	7,696	7,239	135	8,542	6,363	135
Wells.....	3,334	4,431	44	3,356	4,396	42
White.....	4,221	3,820	5	4,206	3,838	5
Whitley.....	3,972	4,130	34	3,990	4,116	35
Total.....	517,800	533,987	14,852	541,769	510,763	14,816

Robert Bracken (Dem.) plurality 16,187.

Ira J. Davies (Rep.) plurality, 31,006.

ABSTRACT OF VOTE—Continued.

COUNTIES	CLERK OF SUPREME COURT			SUPERINTENDENT OF PUBLIC INSTRUCTION		
	Patrick J. Lynch, R.	Zachariah T. Dungan, D.	Hattie M. Hodges, S.	Benjamin J. Burris, R.	Daniel C. McIntosh, D.	Mary Fogleson, S.
Adams.....	2,605	4,256	19	2,605	4,252	19
Allen.....	13,684	16,713	283	13,673	16,739	280
Bartholomew.....	5,167	6,228	74	5,705	5,650	72
Benton.....	3,085	2,340	18	3,057	2,357	19
Blackford.....	2,595	3,056	125	2,834	2,847	123
Boone.....	5,811	6,515	40	5,978	6,371	35.
Brown.....	829	1,407	22	844	1,375	22
Carroll.....	4,294	4,216	29	4,463	4,061	29
Cass.....	7,377	9,067	226	7,840	8,607	217
Clark.....	5,131	6,135	71	5,108	6,150	66
Clay.....	4,793	5,844	317	4,761	5,878	319
Clinton.....	6,386	7,175	70	6,737	6,939	63
Crawford.....	2,193	2,655	15	2,192	2,663	16
Daviess.....	6,087	6,071	128	6,225	6,014	121
Dearborn.....	3,712	5,305	86	4,159	4,851	82
Decatur.....	3,959	4,984	53	4,844	4,151	48
Dekalb.....	5,064	5,505	124	4,987	5,589	120
Delaware.....	8,946	8,443	41	10,887	6,435	40
Dubois.....	2,440	4,849	68	2,556	4,684	67
Elkhart.....	9,161	7,227	347	9,373	7,058	338
Fayette.....	3,735	3,675	58	4,211	3,211	62
Floyd.....	5,258	6,929	122	5,242	6,917	121
Fountain.....	4,563	4,727	227	4,670	4,618	227
Franklin.....	2,530	4,762	27	3,090	4,022	21
Fulton.....	3,863	3,874	116	3,883	3,854	113
Gibson.....	6,337	7,224	330	6,526	7,004	331
Grant.....	7,855	1,991	533	8,583	8,256	538
Greene.....	6,250	6,987	853	6,256	7,128	839
Hamilton.....	5,671	4,506	56	6,201	4,062	46
Hancock.....	2,928	5,048	57	3,524	4,571	41
Harrison.....	4,098	4,378	35	4,029	4,437	37
Hendricks.....	4,795	4,739	51	5,656	4,184	40
Henry.....	4,484	7,167	346	6,742	5,247	217
Howard.....	6,152	5,490	1,753	6,618	4,794	1,768
Huntington.....	6,413	7,517	139	6,786	7,068	147
Jackson.....	3,870	5,748	83	3,906	5,765	81
Jasper.....	3,494	2,311	34	3,455	2,339	31
Jay.....	5,094	5,826	74	5,621	5,316	73
Jefferson.....	5,115	4,441	64	5,140	4,416	62
Jennings.....	3,067	3,114	57	3,200	3,003	52
Johnson.....	4,190	5,532	85	4,475	5,295	90
Knox.....	7,641	9,242	665	7,806	9,045	662
Kosciusko.....	6,542	5,126	105	6,739	4,913	99
Lagrange.....	3,188	1,750	20	3,205	1,743	19
Lake.....	14,998	9,705	414	15,346	9,403	387
Laporte.....	7,877	6,668	320	8,424	6,500	327
Lawrence.....	5,455	4,865	75	5,500	4,838	74
Madison.....	11,757	15,096	544	13,337	13,904	518
Marion.....	37,829	51,609	1,412	47,762	44,170	1,144
Marshall.....	4,994	5,091	106	5,077	5,019	103
Martin.....	2,653	2,745	20	2,645	2,758	30
Miami.....	5,497	7,457	229	5,660	7,241	218
Monroe.....	4,734	5,084	48	4,908	4,926	46
Montgomery.....	7,345	6,888	55	7,490	6,753	53
Morgan.....	4,124	4,975	79	4,637	4,511	76
Newton.....	2,592	1,841	7	2,597	1,841	7
Noble.....	4,869	4,491	84	5,129	4,248	82
Ohio.....	989	1,203	.....	1,025	1,173	.....
Orange.....	4,017	3,460	40	4,023	3,464	39
Owen.....	2,587	3,445	70	2,809	3,231	69

ABSTRACT OF VOTE—Continued.

COUNTIES	CLERK OF SUPREME COURT			SUPERINTENDENT OF PUBLIC INSTRUCTION		
	Patrick J. Lynch, R.	Zachariah T. Dungan, D.	Hattie M. Hodges, S.	Benjamin J. Burris, R.	Daniel C. McIntosh, D.	Mary Fogleson, S.
Parke.....	4,374	3,998	123	4,413	3,967	120
Perry.....	3,374	3,949	48	3,364	3,962	48
Pike.....	3,502	3,580	363	3,535	3,544	364
Porter.....	3,897	2,006	141	4,011	1,893	133
Posey.....	3,704	4,756	53	3,781	4,667	53
Pulaski.....	2,475	2,764	129	2,496	2,749	128
Putnam.....	4,532	5,533	83	4,666	5,211	85
Randolph.....	5,578	4,219	73	6,464	3,379	65
Ripley.....	4,540	4,825	69	4,704	4,657	65
Rush.....	4,623	4,850	52	5,333	4,204	47
Scott.....	1,569	1,948	8	1,589	1,925	8
Shelby.....	4,839	7,103	60	5,363	6,651	57
Spencer.....	4,499	4,400	17	4,562	4,370	17
Starke.....	2,317	2,047	.....	2,333	2,027	87
Steuben.....	3,784	1,681	36	3,749	1,706	35
St. Joseph.....	13,064	12,521	183	13,093	12,497	181
Sullivan.....	4,209	5,988	328	4,223	5,964	329
Switzerland.....	2,458	2,701	20	2,471	2,688	20
Tippecanoe.....	9,908	7,712	58	9,956	7,669	58
Tipton.....	3,684	4,630	54	3,824	3,874	53
Union.....	1,504	1,615	17	1,850	1,307	12
Vanderburgh.....	14,295	17,026	459	16,203	15,600	415
Vermillion.....	3,587	3,764	321	3,557	3,710	323
Vigo.....	12,461	15,723	884	12,644	15,559	868
Wabash.....	6,139	5,481	79	6,487	5,100	80
Warren.....	2,382	1,290	17	2,415	1,249	16
Warrick.....	4,197	4,574	104	4,214	4,557	98
Washington.....	3,253	4,098	18	3,248	4,113	16
Wayne.....	7,281	7,580	156	8,272	6,363	159
Wells.....	3,284	4,450	45	3,356	4,382	40
White.....	4,093	3,930	6	4,194	3,838	6
Whitley.....	3,953	4,147	38	3,987	4,120	37
Total.....	500,128	546,107	15,601	535,118	515,361	15,009

Zachariah T. Dungan (Dem.) plurality 45,979.

Benjamin J. Burris (Rep.) plurality 19,757.

ABSTRACT OF VOTE—Continued.

JUDGE SUPREME COURT

SECOND DISTRICT

COUNTIES	David A. Myers, Republican	Joseph H. Shea, Democrat	John Nipp, Sr., Socialist	COUNTIES	David A. Myers, Republican	Joseph H. Shea, Democrat	John Nipp, Sr., Socialist
Adams.....	2,617	4,248	16	Lawrence.....	5,480	4,856	71
Allen.....	13,683	16,737	281	Madison.....	13,643	13,588	515
Bartholomew.....	6,042	5,375	76	Marion.....	50,205	40,909	1,275
Benton.....	3,024	2,357	18	Marshall.....	5,104	5,498	96
Blackford.....	2,884	2,791	126	Martin.....	2,631	2,776	29
Boone.....	6,031	6,304	33	Miami.....	5,830	7,010	217
Brown.....	879	1,350	21	Monroe.....	4,972	4,883	41
Carroll.....	4,532	3,997	31	Montgomery.....	7,544	6,712	52
Cass.....	8,081	8,431	197	Morgan.....	4,877	4,270	77
Clark.....	5,117	6,150	67	Newton.....	2,595	1,842	8
Clay.....	4,790	5,854	314	Noble.....	5,240	4,156	83
Clinton.....	6,757	6,819	67	Ohio.....	1,043	1,146	.....
Crawford.....	2,197	2,653	15	Orange.....	4,016	3,459	39
Daviess.....	6,101	6,080	124	Owen.....	2,945	3,091	69
Dearborn.....	4,353	4,706	77	Parke.....	4,423	3,958	115
Decatur.....	5,124	3,903	49	Perry.....	3,362	3,957	48
Dekalb.....	5,055	5,516	111	Pike.....	3,549	3,538	366
Delaware.....	11,436	6,084	37	Porter.....	4,020	1,883	128
Dubois.....	2,601	4,679	67	Posey.....	3,796	4,752	49
Elkhart.....	9,833	7,063	325	Pulaski.....	2,482	2,753	127
Fayette.....	4,371	2,971	56	Putnam.....	4,615	5,257	82
Floyd.....	5,254	6,932	119	Randolph.....	6,697	3,203	56
Fountain.....	4,725	4,564	224	Ripley.....	4,777	4,599	63
Franklin.....	3,396	3,980	19	Rush.....	5,659	3,881	49
Fulton.....	3,887	3,849	115	Scott.....	1,560	2,001	8
Gibson.....	6,607	6,933	329	Shelby.....	5,619	6,406	60
Grant.....	9,057	7,961	507	Spencer.....	4,556	4,378	16
Greene.....	6,559	6,718	841	Starke.....	2,327	2,038	87
Hamilton.....	6,364	3,890	54	Steuben.....	3,786	1,684	30
Hancock.....	3,661	4,412	48	St. Joseph.....	13,003	12,581	177
Harrison.....	4,037	4,435	32	Sullivan.....	4,207	5,969	318
Hendricks.....	5,782	3,986	46	Switzerland.....	2,470	2,686	20
Henry.....	7,515	4,445	184	Tippecanoe.....	9,975	7,651	57
Howard.....	7,189	4,483	1,724	Tipton.....	3,908	3,797	48
Huntington.....	6,822	7,039	135	Union.....	1,945	1,234	11
Jackson.....	3,880	5,820	77	Vanderburgh.....	16,467	14,912	443
Jasper.....	3,451	2,349	32	Vermillion.....	3,582	3,703	317
Jay.....	5,820	5,170	71	Vigo.....	12,753	15,568	846
Jefferson.....	5,149	4,408	54	Wabash.....	6,602	5,000	73
Jennings.....	3,199	3,001	53	Warren.....	2,427	1,234	14
Johnson.....	4,599	5,140	71	Warrick.....	4,200	4,562	103
Knox.....	8,040	8,861	659	Washington.....	3,253	4,052	16
Kosciusko.....	6,777	4,844	98	Wayne.....	8,642	6,251	125
Lagrange.....	3,211	1,734	17	Wells.....	3,397	4,344	38
Lake.....	15,427	9,353	382	White.....	4,215	3,814	5
Laporte.....	8,271	6,408	295	Whitley.....	3,998	4,103	35
Total.....				Total.....	546,134	504,728	14,796

David A. Myers, (Rep.) Plurality 41,406.

ABSTRACT OF VOTE—Continued

JUDGE APPELLATE COURT

FIRST DIVISION

COUNTIES	FIRST DIVISION			FIRST DIVISION		
	Solon A. Enloe, Republican	William H. Bridwell, Democrat	Archibald W. Hamilton, Socialist	Charles F. Remy, Republican	Joseph Collier, Democrat	Charles E. Ward, Socialist
Adams.....	2,571	4,261	16	2,574	4,241	17
Allen.....	13,642	16,748	281	13,650	16,723	282
Bartholomew.....	5,602	5,698	74	6,166	5,325	71
Benton.....	3,016	2,360	19	3,034	2,356	20
Blackford.....	2,784	2,864	123	2,853	2,808	126
Boone.....	5,981	6,364	32	6,042	6,296	36
Brown.....	836	1,381	20	853	1,366	20
Carroll.....	4,422	4,083	27	4,498	4,010	31
Cass.....	7,632	8,767	200	7,822	8,569	209
Clark.....	5,066	6,163	67	5,473	6,140	64
Clay.....	4,727	5,880	314	4,724	5,857	171
Clinton.....	6,649	6,932	63	6,749	6,827	65
Crawford.....	2,182	2,650	16	2,185	2,651	16
Daviess.....	6,041	6,102	126	6,034	6,093	125
Dearborn.....	4,098	4,861	84	4,304	4,714	83
Decatur.....	4,817	4,156	47	5,047	3,955	48
Dekalb.....	4,964	5,559	113	4,990	5,552	108
Delaware.....	10,657	6,551	36	11,188	6,376	34
Dubois.....	2,475	4,731	71	2,557	4,656	66
Elkhart.....	9,137	7,199	330	9,200	7,124	325
Fayette.....	4,189	3,223	55	4,345	2,976	55
Floyd.....	5,208	6,931	121	5,211	6,909	119
Fountain.....	4,660	4,604	224	4,704	4,576	225
Franklin.....	3,135	4,076	18	3,348	3,961	19
Fulton.....	3,863	3,863	116	3,876	3,847	114
Gibson.....	6,460	7,025	332	6,575	6,921	329
Grant.....	8,413	8,336	516	8,850	8,013	513
Greene.....	6,356	6,874	841	6,492	6,700	849
Hamilton.....	6,129	4,068	54	6,290	3,921	49
Hancock.....	3,423	4,583	44	3,563	4,489	47
Harrison.....	4,022	4,420	33	4,011	4,423	31
Hendricks.....	5,653	4,173	44	5,747	4,039	37
Henry.....	6,807	5,095	203	7,244	4,686	187
Howard.....	6,460	4,814	1,770	7,106	4,440	1,729
Huntington.....	6,689	7,139	139	6,740	7,087	136
Jackson.....	3,867	5,732	82	3,929	5,680	78
Jasper.....	3,438	2,339	29	3,448	2,332	30
Jay.....	5,544	5,371	71	5,742	5,222	72
Jefferson.....	5,107	4,426	58	5,135	4,410	56
Jennings.....	3,160	3,022	55	3,206	2,989	54
Johnson.....	4,419	5,255	93	4,554	5,173	89
Knox.....	7,718	9,072	656	7,961	8,869	650
Kosciusko.....	6,660	4,962	96	6,742	4,888	98
Lagrange.....	3,198	1,736	18	3,188	1,730	19
Lake.....	15,372	9,395	386	15,449	9,264	384
Laporte.....	7,773	6,652	313	8,119	6,477	308
Lawrence.....	5,433	4,881	74	5,468	4,838	71
Madison.....	13,494	13,864	516	13,479	13,770	518
Marion.....	45,642	43,649	1,552	49,708	41,699	1,263
Marshall.....	5,036	5,038	98	5,042	5,021	99
Martin.....	2,622	2,772	29	2,628	2,769	31
Miami.....	5,611	7,253	218	5,760	7,125	216
Monroe.....	4,818	4,925	45	4,965	4,832	46
Montgomery.....	7,454	6,765	54	7,486	6,743	54
Morgan.....	4,578	4,528	75	4,799	4,348	74

ABSTRACT OF VOTE—Continued

JUDGE APPELLATE COURT

FIRST DIVISION

COUNTIES	FIRST DIVISION			FIRST DIVISION		
	Solon A. Enloe, Republican	William H. Bridwell, Democrat	Archibald W. Hamilton, Socialist	Charles F. Remy, Republican	Joseph Collier, Democrat	Charles E. Ward, Socialist
Newton.....	2,593	1,842	8	2,593	1,843	6
Noble.....	5,132	4,238	85	5,198	4,169	83
Ohio.....	1,018	1,171	.....	1,035	1,153	.....
Orange.....	4,005	3,463	38	4,012	3,461	39
Owen.....	2,784	3,218	65	2,878	3,142	67
Parke.....	4,352	4,004	116	4,376	3,968	113
Perry.....	3,366	3,951	48	3,366	3,948	48
Pike.....	3,517	3,550	366	3,518	3,533	367
Porter.....	3,938	1,904	126	3,971	1,886	125
Posey.....	3,722	4,699	48	3,768	4,656	47
Pulaski.....	2,452	2,750	128	2,462	2,762	128
Putnam.....	4,689	5,253	81	4,589	5,247	79
Randolph.....	6,348	3,411	60	6,631	3,187	56
Ripley.....	4,681	4,677	64	4,749	4,610	64
Rush.....	5,289	4,235	47	5,606	3,925	49
Scott.....	1,572	1,939	10	1,361	1,943	7
Shelby.....	5,338	6,637	69	5,540	6,466	58
Spencer.....	4,562	4,369	16	4,565	4,369	16
Starke.....	2,317	2,042	86	2,318	2,030	86
Steuben.....	3,760	1,697	32	3,752	1,695	31
St. Joseph.....	12,988	12,604	175	13,005	12,586	176
Sullivan.....	3,984	6,366	326	4,145	5,946	318
Switzerland.....	2,464	2,692	20	2,465	2,686	20
Tiptecanoe.....	9,963	7,664	56	9,977	7,652	56
Tipton.....	3,796	3,878	51	3,882	3,801	52
Union.....	1,822	1,317	11	1,919	1,240	11
Vanderburgh.....	16,006	15,199	409	16,119	15,494	426
Vermillion.....	3,501	3,753	318	3,547	3,685	321
Vigo.....	12,447	15,690	845	12,505	15,539	847
Wabash.....	6,432	5,133	75	6,560	5,006	76
Warren.....	2,407	1,239	14	2,404	1,237	14
Warrick.....	4,207	4,553	104	4,199	4,153	103
Washington.....	3,251	4,042	17	3,255	4,030	16
Wayne.....	7,908	6,483	140	8,391	6,223	132
Wells.....	3,310	4,395	39	3,331	4,365	38
White.....	4,177	3,839	3,839	4,179	3,829	6
Whitley.....	3,968	4,126	35	3,972	4,117	35
Total.....	527,958	516,194	19,054	540,996	506,388	14,682

Solon A. Enloe (Rep.) plurality 11,764.
 Chas. F. Remy (Rep.) plurality 34,608.

ABSTRACT OF VOTE—Continued

JUDGE APPELLATE COURT

SECOND DIVISION

COUNTIES	SECOND DIVISION			SECOND DIVISION		
	Willis C. McMahan, Republican	Valentine E. Livingood, Democrat	George Keller, Socialist	Alonso L. Nichols, Republican	Edwin F. McCabe, Democrat	Forrest Wallace, Socialist
Adams	2,578	4,248	19	2,572	4,241	18
Allen	13,521	16,548	286	13,637	16,729	270
Bartholomew	5,600	5,706	75	5,632	5,658	76
Benton	3,037	2,349	17	2,973	2,422	18
Blackford	2,788	2,851	124	2,805	2,831	125
Boone	5,969	6,382	32	5,972	6,371	32
Brown	834	1,385	20	830	1,372	20
Carroll	4,437	4,073	27	4,435	4,070	28
Cass	7,641	8,737	212	7,742	8,613	209
Clark	5,080	6,143	69	5,073	6,133	67
Clay	4,761	5,816	317	4,733	5,843	307
Clinton	6,644	6,937	63	6,638	6,943	63
Crawford	2,184	2,646	15	2,180	2,648	15
Daviess	6,045	6,077	131	6,043	6,075	128
Dearborn	4,150	4,833	87	4,128	4,844	85
Decatur	4,828	4,149	47	4,829	4,146	46
Dekalb	5,001	5,526	115	4,973	5,550	115
Delaware	10,530	6,556	41	10,714	6,361	39
Dubois	2,478	4,708	73	2,473	4,695	72
Elkhart	9,122	7,193	327	9,126	7,144	334
Fayette	4,184	3,212	60	4,191	3,190	56
Floyd	5,215	6,914	121	5,219	6,894	116
Fountain	4,601	4,685	230	4,637	4,616	234
Franklin	3,158	4,060	18	3,146	4,055	19
Fulton	3,880	3,857	113	3,864	3,845	112
Gibson	6,474	6,986	334	6,458	6,998	334
Grant	8,421	8,300	533	8,427	8,237	519
Greene	6,392	6,808	841	6,347	6,827	832
Hamilton	6,122	4,072	56	6,102	4,069	56
Hancock	3,430	4,572	46	3,447	4,551	48
Harrison	4,019	4,407	34	4,009	4,417	31
Hendricks	5,645	4,214	41	5,606	4,200	41
Henry	6,660	5,287	205	6,554	5,229	211
Howard	6,449	4,763	1,838	6,537	4,631	1,815
Huntington	6,706	7,116	135	6,702	7,079	138
Jackson	3,884	5,705	86	3,875	5,718	87
Jasper	3,459	2,323	29	3,435	2,336	30
Jay	5,531	5,382	69	5,594	5,301	72
Jefferson	5,125	4,397	60	5,125	4,410	55
Jennings	3,174	3,009	54	3,158	3,009	54
Johnson	4,410	5,244	93	4,405	5,226	93
Knox	7,747	9,013	661	7,736	9,011	658
Kosciusko	6,664	4,955	98	6,686	4,923	99
Lagrange	3,193	1,736	18	3,207	1,716	18
Lake	15,442	9,342	385	15,355	9,388	396
Laporte	7,920	6,601	309	7,990	6,554	311
Lawrence	5,446	4,848	72	5,346	4,849	74
Madison	13,353	13,907	514	13,358	13,919	518
Marion	44,921	44,233	1,632	45,945	43,456	1,578
Marshall	5,042	5,017	99	5,030	5,010	94
Martin	2,620	2,763	30	2,628	2,766	30
Miami	5,578	7,321	214	5,615	7,234	217
Monroe	4,866	4,918	40	4,862	4,913	44
Montgomery	7,426	6,796	53	7,440	6,764	57
Morgan	4,589	4,515	82	4,591	4,501	78

ABSTRACT OF VOTE—Continued

JUDGE APPELLATE COURT

SECOND DIVISION

COUNTIES	SECOND DIVISION			SECOND DIVISION		
	Willis C. McMahan, Republican	Valentine E. Livengood, Democrat	George Keller, Socialist	Alonzo L. Nichols, Republican	Edwin F. McCabe, Democrat	Forrest Wallace, Socialist
Newton.....	2,595	1,840	6	2,593	1,842	5
Noble.....	5,115	4,247	82	5,113	4,234	84
Ohio.....	1,018	1,169	.....	1,018	1,172	.....
Orange.....	4,007	3,465	39	4,009	3,457	40
Owen.....	2,772	3,226	68	2,777	3,214	68
Parke.....	4,357	3,977	115	4,337	3,999	119
Perry.....	3,357	3,947	50	3,360	3,949	50
Pike.....	3,520	3,544	363	3,495	3,437	366
Porter.....	4,031	1,853	129	3,943	1,879	120
Posey.....	3,735	4,662	49	3,729	4,662	51
Pulaski.....	2,470	2,736	128	2,465	2,742	131
Putnam.....	4,585	5,236	81	4,551	5,261	86
Randolph.....	6,333	3,415	59	6,608	3,338	56
Ripley.....	4,678	4,666	64	4,681	4,663	63
Rush.....	5,317	4,206	47	5,309	4,201	48
Scott.....	1,571	1,932	9	1,563	1,938	7
Shelby.....	5,321	6,650	65	5,343	6,634	57
Spencer.....	4,566	4,366	16	4,561	4,370	16
Starke.....	2,313	2,034	89	2,334	2,023	87
Steuben.....	3,765	1,684	32	3,758	1,687	32
St. Joseph.....	13,566	12,613	180	12,974	12,616	172
Sullivan.....	4,170	5,919	323	4,145	5,917	323
Switzerland.....	2,466	2,684	20	2,459	2,686	20
Tippecanoe.....	9,952	7,668	56	9,954	7,678	56
Tipton.....	3,807	3,858	53	3,826	3,837	52
Union.....	1,853	1,311	11	1,833	1,307	11
Vanderburgh.....	15,604	15,501	426	15,990	15,612	593
Vermillion.....	3,550	3,697	321	3,519	3,707	318
Vigo.....	12,458	15,558	852	12,507	15,499	853
Wabash.....	6,385	5,166	76	6,452	5,077	77
Warren.....	2,382	1,271	14	2,332	1,355	14
Warrick.....	4,205	4,550	103	4,191	4,554	102
Washington.....	3,258	4,026	16	3,255	4,019	16
Wayne.....	7,990	6,402	140	8,017	6,384	141
Wells.....	3,317	4,378	38	3,322	4,362	37
White.....	4,183	3,825	5	4,178	3,823	7
Whitley.....	3,964	4,120	35	3,986	4,109	35
Total.....	527,510	515,543	15,449	528,622	513,775	15,505

Willis C. McMahan (Rep.) plurality 11,967.
Alonzo L. Nichols (Rep.) plurality 14,847.

ABSTRACT OF VOTE—Continued
 REPRESENTATIVES IN CONGRESS
 FIRST DISTRICT

COUNTIES	Oscar R. Luhring, R.	William E. Wilson, D.	Francis A. Hallis, S.
Gibson.....	6,426	7,165	330
Pike.....	3,547	3,655	349
Posey.....	3,817	4,879	37
Spencer.....	4,569	4,372	17
Vanderburgh.....	13,307	17,959	471
Warrick.....	4,169	4,767	72
Total.....	35,835	42,807	1,276

William E. Wilson (Dem.) plurality 6,972.

SECOND DISTRICT

COUNTIES	Oscar E. Bland, R.	Arthur H. Greenwood, D.	John C. Monarch, S.
Daviess.....	6,339	6,198	109
Greene.....	7,110	6,858	705
Knox.....	8,760	8,955	522
Martin.....	2,722	2,798	24
Monroe.....	5,181	4,881	32
Morgan.....	4,771	4,560	66
Owen.....	2,989	3,207	52
Sullivan.....	4,880	6,175	241
Total.....	42,752	43,632	1,751

Arthur H. Greenwood (Dem.) plurality 880.

THIRD DISTRICT

COUNTIES	Samuel A. Lambdin, R.	Frank Gardner, D.	William J. McMillen, S.
Clark.....	5,174	6,047	58
Crawford.....	2,343	2,592	32
Dubois.....	2,535	4,777	98
Floyd.....	5,405	6,959	101
Harrison.....	4,083	4,381	27
Lawrence.....	5,478	4,892	47
Orange.....	4,066	3,493	33
Perry.....	3,376	3,897	.....
Scott.....	1,400	2,141	.....
Washington.....	3,342	4,165	11
Total.....	37,202	43,344	407

Frank Gardner (Dem.) plurality 6,142.

ABSTRACT OF VOTE—Continued
 REPRESENTATIVES IN CONGRESS—Continued
 FOURTH DISTRICT

COUNTIES	John S. Benham, R.	Harry C. Canfield, D.
Bartholomew.....	5,954	5,647
Brown.....	915	1,447
Dearborn.....	4,234	5,107
Decatur.....	4,977	4,236
Jackson.....	4,186	5,784
Jefferson.....	5,184	4,452
Jennings.....	3,312	3,096
Johnson.....	4,646	5,429
Ohio.....	1,097	1,116
Ripley.....	4,743	4,812
Switzerland.....	2,577	2,623
Total.....	41,825	43,749

Harry C. Canfield (Dem.) majority 1,924.

FIFTH DISTRICT

COUNTIES	Everett Sanders, R.	Charles H. Bidaman, D.	Phillip K. Reinbolt, S.
Clay.....	5,622	5,380	306
Hendricks.....	5,696	4,132	26
Parke.....	4,851	3,739	105
Putnam.....	5,309	4,734	58
Vermillion.....	3,914	3,682	316
Vigo.....	13,367	16,081	939
Total.....	38,759	37,748	1,750

Everett Sanders (Rep.) plurality 1,011

SIXTH DISTRICT

COUNTIES	Richard N. Elliott, R.	James A. Clifton, D.
Fayette.....	4,388	3,253
Franklin.....	3,090	4,446
Hancock.....	3,581	4,590
Henry.....	6,916	5,377
Rush.....	5,394	4,262
Shelby.....	5,440	6,541
Union.....	1,886	1,352
Wayne.....	8,586	6,997
Total.....	39,281	36,813

Richard N. Elliott (Rep.) majority 2,463.

SEVENTH DISTRICT

COUNTIES	Merrill Moore, R.	Joseph P. Turk, D.	Lester L. Lambert, S.
Marion.....	49,629	41,118	1,394
Total.....	49,629	41,118	1,394

Merrill Moore (Rep.) plurality 8,511.

ABSTRACT OF VOTE—Continued
REPRESENTATIVES IN CONGRESS—Continued.

EIGHTH DISTRICT

COUNTIES	Albert H. Vestal, R.	John W. Tyndall, D.	Henry C. Becker, S.
Adams	2,403	4,982	11
Delaware	11,598	6,750	43
Jay	5,489	5,712	54
Madison	13,529	13,733	511
Randolph	6,926	3,545	52
Wells	3,525	4,447	26
Total	43,470	39,169	697

Albert H. Vestal (Rep.) plurality 4,301.

NINTH DISTRICT

COUNTIES	Fred S. Purnell, R.	George Lee Moffett, D.	John Leese, S.
Boone	5,980	6,379	32
Carroll	4,583	4,030	20
Clinton	6,545	7,047	63
Fountain	4,548	4,810	221
Hamilton	6,452	4,228	
Howard	7,340	4,961	1,661
Montgomery	7,491	6,799	
Tipton	3,980	3,820	43
Total	46,919	42,074	2,040

Fred S. Purnell (Rep.) plurality 4,845.

TENTH DISTRICT

COUNTIES	William R. Wood, R.	William F. Spooner, D.	Frank Field, S.
Benton	3,294	2,241	9
Jasper	3,517	2,340	28
Lake	15,421	9,421	391
Newton	2,594	1,849	7
Porter	4,008	2,247	107
Tippecanoe	9,989	7,631	51
Warren	2,470	1,298	29
White	4,297	3,808	1
Total	45,590	30,835	623

William R. Wood (Rep.) plurality 14,755.

ELEVENTH DISTRICT

COUNTIES	Milton Kraus, R.	Samuel E. Cook D.	Harry K. Otis, S.
Blackford	2,923	2,915	89
Cass	8,364	8,527	136
Grant	6,825	10,528	594
Huntington	6,908	7,221	132
Miami	5,381	7,872	201
Pulaski	2,555	2,740	132
Wabash	6,329	5,586	88
Total	39,285	45,389	1,372

Samuel E. Cook, (Dem.) plurality 6,104.

ABSTRACT OF VOTE—Continued
 REPRESENTATIVES IN CONGRESS—Continued.
 TWELFTH DISTRICT

COUNTIES	Louis W. Fairfield R.	Charles W. Branstrator, D.
Allen	13,740	17,142
Dekalb	5,462	5,443
Lagrange	3,409	1,750
Noble	5,353	4,298
Steuben	3,971	1,663
Whitley	4,110	4,161
Total	36,045	34,457

Louis W. Fairfield (Rep.) majority 1,588.

THIRTEENTH DISTRICT

COUNTIES	Andrew J. Hickey, R.	Esther Kathleen O'Keefe, D.
Elkhart	9,517	7,595
Fulton	4,001	3,793
Kosciusko	7,011	4,908
Laporte	9,405	6,359
Marshall	5,397	5,032
Starke	2,383	2,101
St. Joseph	12,280	13,265
Total	50,003	43,053

Andrew J. Hickey (Rep.) majority 6,950.

STATE SENATORS

COUNTY	William E. Bowers, Republican	Robert B. Shirley, Democrat
Allen	13,617	16,950

Robert B. Shirley (Dem.) majority 3,333.

COUNTY	Culla J. Vayhinger, Republican	Ora C. King, Democrat	Michael M. Confer, Socialist
Grant	7,953	9,524	487

Ora C. King (Dem.) plurality 1,571.

COUNTY	William F. Hodges, Republican	Frank R. Martin, Democrat	Frank J. Kelly, Socialist
Lake	15,367	9,423	386

William F. Hodges (Rep.) plurality 5,944.

ABSTRACT OF VOTE—Continued

STATE SENATORS—Continued

COUNTY	Thomas A. Daily, Republican	Albert A. Henry, Democrat	Edward Henry, Socialist
Marion.....	49,859	41,243	1,286

Thomas A. Daily (Rep.) plurality 8,616.

COUNTY	Helen M. Anderson, Republican	Chester A. Perkins, Democrat
St. Joseph.....	12,213	13,407

Chester A. Perkins (Dem.) majority 1,194.

COUNTY	Denver C. Harlan, Republican	Mrs. Lillie M. Tweedy, Democrat
Wayne.....	8,632	6,853

Denver C. Harlan (Rep.) majority 1,779.

JOINT STATE SENATORS

COUNTIES	Weldon Lambert, Republican	George P. Cline, Democrat
Bartholomew.....	5,892	5,517
Decatur.....	4,995	4,013
Franklin.....	3,393	3,960
Union.....	2,011	1,128
Total.....	16,291	14,618

Weldon Lambert (Rep.) majority 1,673.

COUNTIES	Charles E. Watson, Republican	Charles S. Batt, Democrat	George Adams, Socialist
Sullivan.....	4,820	5,513	.....
Vigo.....	12,820	15,746	897
Total.....	17,640	21,259	897

Charles S. Batt (Dem.) plurality 3,619.

COUNTIES	Eugene C. Wharf, Republican	Perry Easton, Democrat
Daviess.....	6,179	5,973
Knox.....	8,003	9,062
Total.....	14,182	15,035

Perry Easton (Dem.) majority 853.

ABSTRACT OF VOTE—Continued

JOINT STATE SENATORS—Continued

COUNTIES	Will K. Penrod, Republican	James B. Marshall, Democrat
Lawrence.....	5,459	4,321
Martin.....	2,861	2,548
Orange.....	4,004	3,426
Total.....	12,324	10,795

Will K. Penrod (Rep.) majority 1,529.

COUNTIES	Frank V. McCullough, Republican	C. Pralle Erni, Democrat
Crawford.....	2,182	2,553
Floyd.....	5,550	6,823
Harrison.....	4,025	4,291
Total.....	11,757	13,667

C. Pralle Erni (Dem.) majority 1,910.

COUNTIES	Ovid C. Richardson, Republican	J. Francis Lockard, Democrat
Dearborn.....	3,965	4,849
Jennings.....	3,185	3,145
Ripley.....	4,632	4,768
Total.....	11,782	12,762

J. Francis Lockard (Dem.) majority, 980.

COUNTIES	Andrew M. Stevens, Republican	Joseph M. Cravens, Democrat
Clark.....	5,031	5,962
Jefferson.....	4,765	4,736
Ohio.....	947	1,213
Switzerland.....	2,477	2,650
Total.....	13,220	14,561

Joseph M. Cravens (Dem.) majority, 1,341.

COUNTIES	Norman B. Ficken, Republican	John Sweeney, Democrat,	Noah T. Garland, Socialist
Dubois.....	2,585	4,568	78
Perry.....	3,310	3,842	.....
Spencer.....	4,599	4,321	13
Total.....	10,494	12,731	91

John Sweeney (Dem.) plurality, 2,237.

ABSTRACT OF VOTE—Continued

JOINT STATE SENATORS—Continued

COUNTIES	William Brown, Republican	George W. Thompson, Democrat	Lloyd McColley, Socialist
Jasper.....	3,404	2,355	24
Newton.....	2,597	1,856	6
Porter.....	4,191	1,886	95
Pulaski.....	2,204	3,114	124
Total.....	12,396	9,211	249

William Brown (Rep.) plurality, 3,185.

COUNTIES	Oliver Kline, Republican	John C. Crosby, Democrat	Edward A. Reynolds, Socialist
Huntington.....	6,748	7,202	124
Whitley.....	4,024	4,077	.....
Total.....	10,772	11,279	124

John C. Crosby (Dem.) plurality, 507.

COUNTIES	Grant Pyle, Republican	George L. Saunders, Democrat
Adams.....	2,526	4,191
Blackford.....	2,817	2,876
Wells.....	3,444	4,357
Total.....	8,787	11,424

George L. Saunders (Dem.) majority, 2,637.

COUNTIES	William S. Mercer, Republican	James P. Davis, Democrat	Frank L. Arbuckle, Socialist
Howard.....	5,475	6,350	1,730
Miami.....	4,039	8,994	194
Total.....	9,514	15,344	1,924

James P. Davis (Dem.) plurality, 5,830.

COUNTIES	Frank W. Merry, Republican	W. Edward Ayers, Democrat
Jay.....	5,540	5,495
Randolph.....	6,545	3,447
Total.....	12,085	8,942

Frank W. Merry (Rep.) majority, 3,143.

ABSTRACT OF VOTE—Continued

JOINT STATE SENATORS—Continued

COUNTIES	John S. Alldredge, Republican	Walter S. Chambers, Democrat
Hancock.....	3,446	4,583
Henry.....	6,475	5,711
Madison.....	13,493	13,773
Total.....	23,414	24,067

Walter S. Chambers (Dem.), 653.

COUNTIES	Murray S. Barker, Republican	Joseph W. Klotz, Democrat
Boone.....	6,049	6,305
Hamilton.....	6,289	4,069
Tipton.....	3,820	3,832
Total.....	16,158	14,206

Murray S. Barker (Rep.) majority, 1,952.

COUNTIES	Ray M. Southworth, Republican	John Lackey, Democrat
Benton.....	2,784	2,621
Tippecanoe.....	10,004	7,622
Total.....	12,788	10,243

Ray M. Southworth (Rep.) majority, 2,545.

COUNTIES	Howard O'Neill, Republican	Andrew E. Durham, Democrat
Montgomery.....	7,420	6,814
Putnam.....	4,426	5,638
Total.....	11,846	12,452

Andrew E. Durham (Dem.) majority, 606.

COUNTIES	George Peed, Republican	Harvey Harmon, Democrat
Gibson.....	6,427	7,032
Pike.....	3,493	3,596
Total.....	9,920	10,628

Harvey Harmon (Dem.) majority, 708.

ABSTRACT OF VOTE—Continued

JOINT STATE SENATORS—Continued

COUNTIES	Roger D. Gough, Republican	Jacob Lutz, Democrat	John T. Schlabach, Socialist
Posey.....	3,653	4,650	34
Vanderburgh.....	15,912	15,610	435
Warrick.....	4,134	4,735	63
Total.....	23,699	24,995	532

Jacob Lutz (Dem.) plurality, 1,296.

STATE REPRESENTATIVES

COUNTY	Thomas Dexter, Republican	Peter A. Boland, Democrat	Harry K. Allen, Socialist
Marion.....	34,737	45,715	2,187

COUNTY	Luke W. Duffey, Republican	John M. Maxwell, Democrat	Walter Churchill, Socialist
Marion.....	49,037	42,211	1,269

COUNTY	Russell B. Harrison, Republican	Jerry O'Connor, Democrat	David Creek, Socialist
Marion.....	49,403	41,338	1,312

COUNTY	J. N. Hurty, Republican	Edgar A. Perkins, Democrat	James R. Francis, Socialist
Marion.....	48,307	47,501	1,402

COUNTY	Walther Lieber, Republican	Louis C. Schwartz, Democrat	Charles M. Leslie, Socialist
Marion.....	39,628	48,741	1,489

COUNTY	Frank J. Noll, Republican	Leo X. Smith, Democrat	Henry S. Newland, Socialist
Marion.....	40,824	43,004	1,885

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	Elizabeth Rainey, Republican	George C. Stelhorn, Democrat	Della Nunes, Socialist
Marion.....	47,466	46,790	1,294

COUNTY	Asa J. Smith, Republican	William A. Taylor, Democrat	Thomas Sturgeon, Socialist
Marion.....	49,274	42,507	1,243

COUNTY	Omer L. Traub, Republican	J. Olias Vanier, Democrat	Rollie C. Trees, Socialist
Marion.....	49,778	41,521	1,257

COUNTY	Ralph E. Updike, Republican	John C. Wagner, Democrat	Flora Trees, Socialist
Marion.....	49,567	41,501	1,285

COUNTY	Clarence C. Wysong, Republican	Martin H. Walpole, Democrat	George F. Yeo, Socialist
Marion.....	49,637	41,344	1,241

COUNTY	Fred G. Duryee, Republican	Waldemar Eickhoff, Democrat
Allen.....	13,599	16,819

COUNTY	Charles A. Phelps, Republican	Howard M. Hobbs, Democrat
Allen.....	13,999	16,685

COUNTY	Nathaniel C. Ross, Republican	Arthur J. Ortlieb, Democrat
Allen.....	13,515	16,969

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	Wilbur L. Pruett, Republican	John H. Schaefer, Democrat	Oscar E. Snively, Socialist
Bartholomew.....	5,706	5,721	63

John H. Schaefer (Dem.), plurality 15.

COUNTY	William U. Lane, Republican	Edward B. Bender, Democrat
Boone.....	5,896	6,446

Edward B. Bender (Dem.), majority 550.

COUNTY	Truman G. Murden, Republican	John W. Pugh, Democrat
Cass.....	9,012	7,621

Truman G. Murden (Rep.), majority 1,391.

COUNTY	Cecil B. Sharp, Republican	Albert B. Clapp, Democrat
Clark.....	5,304	5,978

Albert B. Clapp (Dem.), majority 674.

COUNTY	Paul Bennett, Republican	Walter B. Ringo, Democrat
Clay.....	4,349	6,592

Walter B. Ringo (Dem.), majority 2,243.

COUNTY	Marshall Thatcher, Republican	David L. Mabbitt, Democrat
Clinton.....	6,621	6,985

David L. Mabbitt (Dem.), majority 364.

COUNTY	George L. Murdoch, Republican	Lew S. Core, Democrat
Daviess.....	5,869	6,439

Lew S. Core (Dem.), majority 570.

ABSTRACT OF VOTE—Continued
STATE REPRESENTATIVES—Continued

COUNTY	Charles S. Arford, Republican	Milo J. Thomas, Democrat
Dekalb.....	5,309	5,381

Milo J. Thomas (Dem.), majority 72.

COUNTY	Lemuel A. Pittenger, Republican	Winfield S. Parker, Democrat
Delaware.....	11,739	6,391

Lemuel A. Pittenger (Rep.), majority 5,348.

COUNTY	Isaac N. Trent, Republican	Noah J. Paul, Democrat
Delaware.....	11,250	6,063

Isaac N. Trent (Rep.), majority 5,187.

COUNTY	Paul D. Farley, Republican	Allen R. Bemenderfer Democrat	Burtlyn Fox, Socialist
Elkhart.....	9,196	7,501	230

COUNTY	Floyd V. Miller, Republican	Herbert C. Waterman, Democrat	John H. McKibben, Socialist
Elkhart.....	9,636	6,947	242

COUNTY	Chester V. Lorch, Republican	Herbert P. Kenney, Democrat
Floyd.....	5,730	6,641

Herbert P. Kenney (Dem.), majority 911.

COUNTY	Earle M. Myers, Republican	Byron M. Allen, Democrat
Fountain.....	4,728	4,557

Earle M. Myers, (Rep.), majority 171.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	Claude A. Smith, Republican	Arthur Johnson, Democrat	Charles Roush, Socialist
Gibson.....	6,717	6,794	293

Arthur Johnson (Dem.), plurality 77.

COUNTY	Albert E. Shugart, Republican	John A. Peterson, Democrat	Henry Pry, Socialist
Grant.....	8,319	8,882	499

John A. Peterson (Dem.), plurality 563.

COUNTY	Elmer W. Sherwood, Republican	William J. Powell, Democrat	Marion E. Preutt, Socialist
Greene.....	6,439	6,893	750

William J. Powell, (Dem.), plurality 454.

COUNTY	Perry Johnson, Republican	William E. Wilson, Democrat
Hamilton.....	6,316	4,081

Perry Johnson (Rep.), majority 2,235.

COUNTY	Benjamin F. Davis, Republican	J. Russell Landreth, Democrat
Hendricks.....	5,667	4,175

Benjamin F. Davis (Rep.), majority 1,492.

COUNTY	Raymond C. Morgan, Republican	Frank A. Wischert, Democrat
Henry.....	6,706	5,388

Raymond C. Morgan (Rep.), majority 1,318.

COUNTY	George W. Freeman, Republican	Kenton G. Albright, Democrat	Polk Redman, Socialist
Howard.....	6,180	5,556	1,926

George W. Freeman (Rep.), plurality 624.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	John P. Shutt, Republican	Harvey Z. Collins, Democrat	Isaac Swihart, Socialist
Huntington.....	6,915	6,999	118

Harvey Z. Collins (Dem.), plurality 84.

COUNTY	John G. Hammitt, Republican	William I. Journay, Democrat
Jay.....	5,561	5,500

John G. Hammitt (Rep.), majority 61.

COUNTY	Henry F. Volle, Republican	Shirley Leveron, Democrat
Knox.....	7,790	9,135

Shirley Leveron (Dem.), majority 1,345.

COUNTY	Ezra W. Graham, Republican	George W. Irvine, Democrat
Kosciusko.....	6,383	5,417

Ezra W. Graham (Rep.), majority 976.

COUNTY	Oscar A. Ahlgren, Republican	Fred H. Detrich, Democrat	Herman W. Blankenship, Socialist
Lake.....	15,400	9,393	380

COUNTY	James I. Day, Republican	Thomas P. Mullinix, Democrat	Albert Duncan, Socialist
Lake.....	15,252	9,314	393

COUNTY	J. Glenn Harris, Republican	Edw. E. Scheidt, Democrat	Olive A. Howard, Socialist
Lake.....	15,199	9,439	386

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	William M. Love, Republican	Ralph White, Democrat	Arthur W. McColley, Socialist
Lake.....	15,345	9,527	383

COUNTY	John W. Thiel, Republican	Will H. Wood, Democrat	E. Izora Whitmer, Socialist
Lake.....	15,313	9,591	386

COUNTY	Charles W. Isenbarger, Republican	Earle D. Brown, Democrat
Laporte.....	8,211	6,858

Charles W. Isenbarger (Rep.), majority 1,353.

COUNTY	John C. Sherwood, Republican
Lawrence.....	5,570

John C. Sherwood, (Rep.), majority 5,570.

COUNTY	Wallace B. Campbell, Republican	Myron H. Post, Democrat	Phoebe Hopkes, Socialist
Madison.....	13,195	14,023	497

Myron H. Post (Dem.), plurality 828.

COUNTY	Caleb C. Williams, Republican	John F. P. Thurston, Democrat
Madison.....	13,222	14,083

John F. P. Thurston (Dem.), majority 861.

COUNTY	Henry L. Hunrichouser, Republican	John W. Kitch, Democrat
Marshall.....	4,872	5,385

John W. Kitch (Dem.), majority 513.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	Burton Green, Republican	William Hart, Democrat
Miami.....	5,537	7,518

William Hart (Dem.), majority 1,981.

COUNTY	E. William G. Johnson, Republican	Harry M. Kenney, Democrat
Monroe.....	5,061	4,846

E. William G. Johnson (Rep.), majority 215.

COUNTY	Walter Remley, Republican	Frank D. Nolan, Democrat
Montgomery.....	6,994	7,224

Frank D. Nolan (Dem.), majority 230.

COUNTY	David B. Johnson, Republican	Jap Jones, Democrat
Morgan.....	4,251	4,978

Jap Jones (Dem.), majority 727.

COUNTY	Bernard F. Haines, Republican	James E. Lucky, Democrat
Noble.....	4,853	4,652

Bernard F. Haines (Rep.), majority 201.

COUNTY	Winfield Catlin, Republican	William L. Flock, Democrat
Parke.....	3,910	4,750

William L. Flock (Dem.), majority 840.

COUNTY	Evert A. Addington, Republican	Clarence Mullen, Democrat
Randolph.....	6,707	3,455

Evert A. Addington (Rep.), majority 3,252.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	A. N. DuComb, Republican	August Bailey, Democrat
St. Joseph.....	12,856	12,544

COUNTY	Dayton D. Mangus, Republican	Thomas H. Jackson, Democrat
St. Joseph.....	12,826	12,922

COUNTY	Harry C. Matthews, Republican	Leo Van Hess, Democrat
St. Joseph.....	13,022	12,659

COUNTY	Scott Meiks, Republican	Clarence A. Lowe, Democrat
Shelby.....	5,456	6,576

Clarence A. Lowe, (Dem.), majority 1,120.

COUNTY	John D. Hill, Republican	Addison Drake, Democrat
Sullivan.....	4,349	5,939

Addison Drake, (Dem), majority 1,500.

COUNTY	Elmer R. Waters, Republican	John C. F. Redinbo, Democrat
Tippecanoe.....	9,889	7,739

Elmer R. Waters (Rep.), majority 2,150.

COUNTY	Henry E. Dreier, Republican	Harry M. Punshon, Democrat	George G. Tilley, Socialist
Vanderburgh.....	14,490	16,646	481

Harry M. Punshon (Dem.), plurality 2,156.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	Thomas W. McCutchan, Republican	Edward R. Peters, Democrat	John B. Kullman, Socialist
Vanderburgh.....	16,679	14,806	446

Thomas W. McCutchan (Rep.), plurality 1,873.

COUNTY	Harry E. Rowbottom, Republican	E. H. Scheips, Democrat	William Maasberg, Socialist
Vanderburgh.....	16,433	14,939	454

Harry E. Rowbottom (Rep.), plurality 1,494.

COUNTY	John A. Hughes, Republican	Matthew M. Scott, Democrat
Vermillion.....	3,531	3,879

Matthew M. Scott (Dem.), majority 348.

COUNTY	George S. Johnson, Republican	James M. Carlos, Democrat	Edward M. Boston, Socialist
Vigo.....	12,956	15,284	847

James M. Carlos (Dem.), plurality 2,328.

COUNTY	Frank W. Ray, Republican	Edgar D. Fagin, Democrat	Edward Greenwood, Socialist
Vigo.....	12,910	15,299	853

Edgar D. Fagin (Dem.), plurality 2,339.

COUNTY	George W. Sims, Republican	Charles F. Riede, Democrat
Vigo.....	12,761	15,542

Charles F. Riede (Dem.), majority 2,781.

COUNTY	George F. Ogden, Republican	Chester E. Troyer, Democrat
Wabash.....	6,284	5,480

George F. Ogden (Rep.), majority 804.

ABSTRACT OF VOTE—Continued

STATE REPRESENTATIVES—Continued

COUNTY	James M. Knapp, Republican	Thollie W. Druley, Democrat
Wayne.....	7,873	6,937

James M. Knapp (Rep.), majority 936.

STATE JOINT REPRESENTATIVES

COUNTIES	Dewitt C. Wilber, Republican	Julius G. Schwing, Democrat
Dearborn.....	4,414	4,770
Ohio.....	1,166	1,002
Total.....	5,580	5,772

Julius G. Schwing (Dem.), majority 192.

COUNTIES	John W. Johnson, Republican	Madison F. Holman, Democrat	Lin Windsor, Socialist
Ripley.....	4,560	4,773	48
Switzerland.....	2,468	2,664	20
Total.....	7,028	7,437	68

Madison F. Holman (Dem.), plurality 409.

COUNTIES	Charles E. Dean, Republican	Clarence T. Custer, Democrat
Jefferson.....	4,729	4,808
Scott.....	1,472	1,960
Total.....	6,201	6,768

Clarence T. Custer (Dem.), majority 567.

COUNTIES	Chester Miller, Republican	Sherman Hall, Democrat
Brown.....	864	1,350
Jackson.....	3,983	5,682
Total.....	4,847	7,032

Sherman Hall (Dem.), majority, 2,185.

ABSTRACT OF VOTE—Continued
STATE JOINT REPRESENTATIVES—Continued

COUNTIES	Lewis C. Carter, Republican	Will Nicholson, Democrat
Orange.....	3,985	3,413
Washington.....	3,489	3,926
Total.....	7,474	7,339

Lewis C. Carter (Rep.), majority 135.

COUNTIES	Straude E. Wiseman, Republican	G. Remy Bierly, Democrat
Crawford.....	2,180	2,553
Harrison.....	4,120	4,288
Total.....	6,300	6,841

G. Remy Bierly (Dem.), majority 541.

COUNTIES	Walter L. Jay, Republican	George L. Hoffman, Democrat	James W. Summer, Socialist
Dubois.....	2,505	4,699	66
Martin.....	2,686	2,681	24
Total.....	5,191	7,380	90

George L. Hoffman (Dem.), plurality 2,189.

COUNTIES	Albert J. Wedeking, Republican	John P. Chrisney, Democrat
Perry.....	3,307	3,799
Spencer.....	4,729	4,180
Total.....	8,036	7,979

Albert J. Wedeking (Rep.), majority 57.

COUNTIES	W. B. Anderson, Republican	Edgar Livingston, Democrat
Knox.....	7,541	9,144
Pike.....	3,321	3,716
Total.....	10,862	12,860

Edgar Livingston (Dem.), majority 1,998.

ABSTRACT OF VOTE—Continued
STATE JOINT REPRESENTATIVES—Continued

COUNTIES	Thomas B. Brown, Republican	Frederick H. Martin, Democrat	William F. Walther, Socialist
Posey.....	3,868	4,498	20
Vanderburgh.....	16,557	14,810	455
Warrick.....	4,213	4,541	61
Total.....	24,638	23,849	546

Thomas B. Brown (Rep.), plurality 789.

COUNTIES	Lonzo L. Shull, Republican	Thomas E. Woodridge, Democrat	William H. Hedrick, Socialist
Howard.....	6,040	5,617	1,734
Tipton.....	3,807	3,831	50
Total.....	9,847	9,448	1,784

Lonzo L. Shull (Rep.), plurality 399.

COUNTIES	Harry G. Leslie, Republican	Harry Eads, Democrat
Tippecanoe.....	10,128	7,504
Warren.....	2,387	1,212
Total.....	12,515	8,716

Harry G. Leslie (Rep.), majority 3,799.

COUNTIES	Elwood Morris, Republican	William H. Larrabee, Democrat
Hancock.....	3,537	4,661
Madison.....	13,357	13,913
Total.....	16,894	18,574

William H. Larrabee (Dem.), majority 1,680.

COUNTIES	Oliver P. Lafuze, Republican	George M. Young, Democrat
Union.....	1,904	1,291
Wayne.....	8,941	5,830
Total.....	10,845	7,121

Oliver P. Lafuze (Rep.), majority 3,724.

ABSTRACT OF VOTE—Continued

STATE JOINT REPRESENTATIVES—Continued

COUNTIES	Charles M. Trowbridge, Republican	Strode Hays, Democrat
Henry.....	5,683	6,394
Rush.....	5,236	4,122
Total.....	10,919	10,516

Charles M. Trowbridge (Rep.), majority 403.

COUNTIES	William R. Phillips, Republican	William F. Flack, Democrat
Fayette.....	4,401	3,010
Franklin.....	3,357	4,033
Total.....	7,758	7,043

William R. Phillips (Rep.), majority 715.

COUNTIES	Frank E. Cline, Republican	Harry W. Bassett, Democrat	Lee Geisendorff, Socialist
Johnson.....	4,689	5,194	.....
Marion.....	49,505	41,787	1,242
Total.....	54,194	46,981	1,242

Frank E. Cline (Rep.), plurality 7,213.

COUNTIES	John E. Harrison, Republican	Willis E. Gill, Democrat
Owen.....	2,859	3,141
Putnam.....	4,464	5,447
Total.....	7,323	8,588

Willis E. Gill (Dem.), majority 1,265.

COUNTIES	William C. Pulse, Republican	John G. Klein, Democrat
Decatur.....	5,094	3,986
Jennings.....	3,078	3,143
Total.....	8,172	7,129

William C. Pulse (Rep.), majority 1,043.

ABSTRACT OF VOTE—Continued
STATE JOINT REPRESENTATIVES—Continued

COUNTIES	William A. Hill, Republican	John P. Kimmell, Democrat	Ray S. Berlin, Socialist
Lake.....	15,356	9,414	377
Porter.....	3,944	1,919	121
Total.....	19,300	11,333	498

William A. Hill (Rep.), plurality 7,967.

COUNTIES	Isaac Harvey Hull, Republican	Lemuel Darrow, Democrat
Laporte.....	7,691	7,360
Starke.....	2,364	1,983
Total.....	10,055	9,343

Isaac Harvey Hull (Rep.), majority 712.

COUNTIES	M. C. Murray, Republican	Otis L. Ballou, Democrat
Lagrange.....	3,000	1,999
Steuben.....	3,744	1,667
Total.....	6,744	3,666

M. C. Murray (Rep.), majority 3,078.

COUNTIES	Eph P. Dailey, Republican	James D. Butt, Democrat
Allen.....	13,398	17,161
Whitley.....	3,930	4,141
Total.....	17,328	21,302

James D. Butt (Dem.), majority 3,974.

COUNTIES	Harris E. Butler, Republican	Lee E. Shafer, Democrat
Fulton.....	3,749	3,971
Pulaski.....	2,425	2,781
Total.....	6,174	6,752

Lee E. Shafer (Dem.), majority 578.

ABSTRACT OF VOTE—Continued
STATE JOINT REPRESENTATIVES—Continued

COUNTIES	Jacob D. Rich, Republican	Ellis Jones, Democrat
Jasper.....	3,327	2,461
Newton.....	2,523	1,929
Total.....	5,850	4,390

Jacob D. Rich (Rep.), majority 1,460.

COUNTIES	Harry Kretschman, Republican	Charles H. Dodson, Democrat
Benton.....	3,177	2,300
White.....	4,120	3,834
Total.....	7,297	6,134

Harry Kretschman (Rep.), majority 1,163.

COUNTIES	William R. Lytle, Republican	Charles V. McCloskey, Democrat
Carroll.....	4,489	4,092
Cass.....	7,941	8,575
Total.....	12,430	12,667

Charles V. McCloskey, (Dem.), majority 237.

COUNTIES	Earl B. Adams, Republican	Thurman A. Gottschalk, Democrat
Adams.....	2,529	4,438
Wells.....	3,275	4,376
Total.....	5,804	8,814

Thurman A. Gottschalk (Dem.), majority 3,010.

COUNTIES	Wayne S. Tucker, Republican	Clifford Townsend, Democrat	Benjamin F. Brower, Socialist
Blackford.....	2,674	3,099	75
Grant.....	8,209	8,747	500
Total.....	10,883	11,846	575

Clifford Townsend (Dem.), plurality 963.

ABSTRACT OF VOTE—Continued

JUDGES OF THE CIRCUIT COURT

SECOND CIRCUIT

COUNTY	Union W. Youngblood, Republican	Caleb J. Lindsey, Democrat
Warrick.....	4,425	4,570

Caleb J. Lindsey (Dem.), majority 145.

NINTH CIRCUIT

COUNTY	John W. Donaker, Republican	Carl J. Kollmeyer, Democrat	Victor M. Carr, Socialist
Bartholomew.....	6,581	5,016	62

John W. Donaker (Rep.), plurality 1,565.

SIXTEENTH CIRCUIT

COUNTY	Elmer Bassett, Republican	Harry C. Morrison, Democrat
Shelby.....	5,048	7,220

Harry C. Morrison (Dem.), majority 2,172.

THIRTY-SECOND CIRCUIT

COUNTY	John C. Richter, Republican	W. H. Warden, Democrat
Laporte.....	7,851	7,518

John C. Richter (Rep.), majority 333.

THIRTY-FOURTH CIRCUIT

COUNTIES	James S. Drake, Republican
Elkhart.....	10,363
Lagrange.....	3,409
Total.....	13,772

James S. Drake (Rep.), majority 13,772.

ABSTRACT OF VOTE—Continued
JUDGES OF THE CIRCUIT COURT—Continued
THIRTY-FIFTH CIRCUIT

COUNTIES	William P. Endicott, Republican	Walter D. Stump, Democrat
Dekalb.....	5,104	5,743
Steuben.....	3,831	1,669
Total.....	8,935	7,412

William P. Endicott (Rep.), majority 1,523.

THIRTY-SEVENTH CIRCUIT

COUNTIES	Cecil C. Tague, Republican	Albert J. Peine, Democrat
Franklin.....	3,873	3,861
Union.....	2,125	1,086
Total.....	5,998	4,947

Cecil C. Tague (Rep.), majority 1,051.

FORTY-SIXTH CIRCUIT

COUNTIES	Clarence W. Dearth, Republican	Adolph C. Silverburg, Democrat
Delaware.....	11,725	6,603

Clarence W. Dearth (Rep.), majority 5,122.

FORTY-SEVENTH CIRCUIT

COUNTIES	Everett A. Davisson, Republican	William C. Wait, Democrat	Joseph Wright, Socialist
Vermillion.....	3,367	4,206	285

William C. Wait (Dem.), plurality 839.

FORTY-EIGHTH CIRCUIT

COUNTY	J. Frank Charles, Republican	Wilber E. Williams, Democrat
Grant.....	9,572	7,984

J. Frank Charles Rep.), majority 1,588.

ABSTRACT OF VOTE—Continued
JUDGES OF THE CIRCUIT COURT—Continued
FORTY-NINTH CIRCUIT

COUNTIES	Milton S. Hastings, Republican	Alvin Padgett, Democrat
Daviess.....	6,476	5,963
Martin.....	2,659	2,718
Total.....	9,135	8,681

Milton S. Hastings (Rep.), majority 454.

FIFTY-EIGHTH CIRCUIT

COUNTIES	Roscoe D. Wheat, Republican	Frank Gillespie, Democrat
Jay.....	5,647	5,536

Roscoe D. Wheat (Rep.), majority 111.

SIXTY-SECOND CIRCUIT

COUNTY	William C. Overton, Republican	John Marshall, Democrat	William L. McGaw, Socialist
Howard.....	4,642	7,792	1,572

John Marshall (Dem.), plurality 3,150.

SIXTY-EIGHTH CIRCUIT

COUNTY	Howard L. Hancock, Republican	Roy Baker, Democrat
Parke.....	3,989	4,703

Roy Baker (Dem.), majority 714.

SUPERIOR COURT JUDGES

COUNTY	Edgar Durre, Republican	Lane B. Osborn, Democrat	* Socialist
Vanderburgh.....	15,918	15,596	241

Edgar Durre (Rep.), plurality, 322.

*No candidate.

ABSTRACT OF VOTE—Continued

SUPERIOR COURT JUDGES—Continued

COUNTY	William N. Ballou, Republican	Charles J. Ryan, Democrat
Allen.....	14,250	16,427

Charles J. Ryan (Dem.), majority, 2,177.

COUNTY	William B. Hile, Republican	Clarendon C. Raymer, Democrat
Elkhart.....	9,335	7,510

William B. Hill (Rep.), majority, 1,825.

COUNTY	Robert F. Murray, Republican	William C. Coryell, Democrat
Delaware.....	12,592	5,629
Grant.....	9,240	7,852
Total.....	21,832	13,481

Robert F. Murray (Rep.), majority, 8,351.

COUNTY	Virgil S. Reiter, Republican	John D. Kennedy, Democrat	William Mallett, Socialist
Lake, Room 1.....	15,504	9,296	379

Virgil S. Reiter (Rep.), plurality, 6,808.

COUNTY	Maurice E. Crites, Republican	Forest A. Nicholas, Socialist
Lake, Room 2.....	15,568	402

Maurice Edward Crites (Rep.), majority, 15,166.

COUNTY	Charles E. Greenwald, Republican	Emmet N. White, Democrat	Roy A. Roberts, Socialist
Lake Room 3.....	15,043	9,691	392

Charles E. Greenwald (Rep.), plurality, 5,352.

COUNTY	James M. Leathers, Republican	Salem D. Clark, Democrat	Frank J. McCool, Socialist
Marion, Room 1.....	47,518	44,353	1,154

James M. Leathers (Rep.), plurality, 3,165.

ABSTRACT OF VOTE—Continued

SUPERIOR COURT JUDGES—Continued

COUNTY	Linn D. Hay, Republican	Smiley N. Chambers, Democrat	John J. Nunes, Socialist
Marion, Room 2.	47,708	44,250	1,135

Linn D. Hay (Rep.), plurality, 3,458.

COUNTY	Sidney S. Miller, Republican	Edward W. Little, Democrat	Robert H. Jackman, Socialist
Marion, Room 3.	47,726	44,273	1,168

Sidney S. Miller (Rep.), plurality, 3,453.

COUNTY	Clinton H. Givan, Republican	Clarence E. Wier, Democrat	Edward Longerich, Socialist
Marion, Room 4.	47,304	44,760	1,149

Clinton H. Givan (Rep.), plurality, 2,544.

COUNTY	Theophilus J. Moll, Republican	Gideon W. Blain, Democrat	Richard H. Fletemeyer, Socialist
Marion, Room 5.	47,366	44,650	1,151

Theophilus J. Moll (Rep.), plurality, 2,716.

COUNTY	Francis A. Walker, Republican	Willis S. Ellis, Democrat	John G. Lewis, Socialist
Madison.	12,251	14,950	527

Willis S. Ellis (Dem.), plurality, 2,699.

COUNTY	Harry L. Crumpacker, Republican	Warren C. Ransburg, Democrat
Laporte.	9,504	5,922
Porter.	4,261	1,796
Total.	13,765	7,718

Harry L. Crumpacker (Rep.), majority, 6,047.

COUNTY	Alfred E. Martin, Republican	J. Fred Bingham, Democrat
St. Joseph, Room 1.	12,235	13,418

J. Fred Bingham (Dem.), majority, 1,183.

ABSTRACT OF VOTE—Continued

SUPERIOR COURT JUDGES—Continued

COUNTY	Lenn J. Oare, Republican	Antony A. Wolfe, Democrat
St. Joseph, Room 2.	13,407	12,216

Lenn J. Oare (Rep.), majority, 1,191.

COUNTY	Henry H. Vinton, Republican
Tippecanoe.	10,052

Henry H. Vinton (Rep.), majority, 10,052.

COUNTY	Chester Y. Kelly, Republican	John E. Cox, Democrat	Isaac Hall, Socialist
Vigo.	13,412	15,378	808

John E. Cox (Dem.), plurality, 1,966.

PROBATE COURT JUDGE

COUNTY	Mahlon E. Bash, Republican	Harold K. Bachelder, Democrat	Turner T. Marshall, Socialist
Marion.	48,311	43,257	1,145

Mahlon E. Bash (Rep.), plurality, 5,054.

CRIMINAL COURT JUDGE

COUNTY	James A. Collins, Republican	James D. Ernston, Democrat	John Gassoway, Socialist
Marion.	48,259	43,677	1,144

James A. Collins (Rep.), plurality, 4,582.

JUVENILE COURT JUDGE

COUNTY	Frank J. Lahr, Republican	Jacob L. Steinmetz, Democrat	Susan Thompson, Socialist
Marion.	48,215	43,570	1,139

Frank J. Lahr (Rep.), plurality, 4,645.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS

FIRST CIRCUIT

COUNTY	Charles F. Werner, Republican	Henry T. Hardin, Democrat	Arthur Senta, Socialist
Vanderburgh.....	14,362	16,785	469

Henry T. Hardin (Dem.), plurality, 2,423.

SECOND CIRCUIT

COUNTY	Henry A. Bippus, Republican	George A. Lutz, Democrat
Warrick.....	4,523	4,369

Henry A. Bippus (Rep.), majority, 154.

THIRD CIRCUIT

COUNTIES	Phillip S. Seacat, Republican	Sam P. Vogt, Democrat
Crawford.....	2,131	2,663
Harrison.....	4,097	4,376
Total.....	6,228	8,039

Sam P. Vogt (Rep.), majority, 1,811.

FOURTH CIRCUIT

COUNTY	James L. Bottorff, Democrat
Clark.....	6,188

James L. Bottorff (Dem.), majority, 6,188.

FIFTH CIRCUIT

COUNTIES	George B. Hall, Republican	Harvey J. Zearing, Democrat
Jefferson.....	4,624	4,876
Switzerland.....	2,412	2,699
Total.....	7,036	7,575

Harvey J. Zearing (Dem.), majority, 539.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

SIXTH CIRCUIT

COUNTIES	Blucher M. Owens, Republican	William M. Turner, Democrat
Jennings.....	3,143	3,033
Ripley.....	4,642	4,718
Scott.....	1,629	1,818
Total.....	9,414	9,569

William M. Turner (Dem.) majority, 155.

SEVENTH CIRCUIT

COUNTIES	Crawford A. Peters, Republican	Thomas A. Cooper, Democrat
Dearborn.....	4,219	5,064
Ohio.....	957	1,252
Total.....	5,176	6,316

Thomas A. Cooper (Dem.), majority, 1,140.

EIGHTH CIRCUIT

COUNTIES	Hugh E. Vandiver, Republican	John P. Wright, Democrat
Brown.....	873	1,388
Johnson.....	4,534	5,386
Total.....	5,407	6,774

John P. Wright (Dem.), majority, 1,367.

NINTH CIRCUIT

COUNTY	Archibald T. Conner, Republican	John E. Summa, Democrat	George H. Percifield, Socialist
Bartholomew.....	5,666	5,849	55

John E. Summa (Dem.), plurality, 183.

TENTH CIRCUIT

COUNTIES	Glen B. Woodward, Republican	Frank J. Dunn, Democrat
Monroe.....	5,110	4,869
Owen.....	2,878	3,096
Total.....	7,988	7,965

Glen B. Woodward (Rep.), majority, 23.

ABSTRACT OF VOTE—Continued
PROSECUTING ATTORNEYS—Continued
ELEVENTH CIRCUIT

COUNTIES	James S. Kilroy, Democrat
Posey.....	4,936

James S. Kilroy (Dem.), majority, 4,936.

TWELFTH CIRCUIT

COUNTIES	John Rabb Emison, Republican	Floyd L. Young, Democrat	James H. Murphy, Socialist
Knox.....	7,680	9,978	520

Floyd L. Young (Dem.), plurality, 2,298.

THIRTEENTH CIRCUIT

COUNTIES	Henry A. McShanog, Republican	Roy V. Tozer, Democrat
Clay.....	4,822	6,121

Roy V. Tozer (Dem.), majority, 1,299.

FOURTEENTH CIRCUIT

COUNTIES	Burl O. Buckley, Republican	Norval K. Harris, Democrat
Sullivan.....	4,796	5,906

Norval K. Harris (Dem.), majority, 1,110.

FIFTEENTH CIRCUIT

COUNTY	Orval W. Smith, Republican	Fred W. Steiger, Democrat
Morgan.....	4,506	4,692

Fred W. Steiger (Dem.), majority, 186.

SIXTEENTH CIRCUIT

COUNTY	Ara E. Lisher, Republican	Arthur L. McLane, Democrat
Shelby.....	5,026	6,989

Arthur L. McLane (Dem.), majority, 1,963.

ABSTRACT OF VOTE—Continued
PROSECUTING ATTORNEYS—Continued
SEVENTEENTH CIRCUIT

COUNTY	Frank T. Strayer, Republican	James F. Pace, Democrat
Wayne.....	8,994	5,974

Frank T. Strayer (Rep.), majority, 3,020.

EIGHTEENTH CIRCUIT

COUNTY	George F. Dickman,	Waldo C. Ging,
Hancock.....	3,694	4,592

Waldo C. Ging (Dem.), majority, 898.

NINETEENTH CIRCUIT

COUNTY	William P. Evans, Republican	Richard M. Coleman, Democrat	William O. Fogleson, Socialist
Marion.....	47,989	43,986	1,144

William P. Evans (Rep.), plurality, 4,001.

TWENTIETH CIRCUIT

COUNTY	Guy M. Voris, Republican	Ruel H. Cain, Democrat
Boone.....	5,791	6,546

Ruel H. Cain (Dem.), majority, 755.

TWENTY-FIRST CIRCUIT

COUNTIES	Wilbur G. Nolin, Republican
Benton.....	3,381
Warren.....	2,401
Total.....	5,782

Wilbur G. Nolin (Rep.), majority, 5,782.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

TWENTY-SECOND CIRCUIT

COUNTY	Harry D. Michael, Republican	Thomas E. O'Connor, Democrat
Montgomery.....	7,841	6,338

Harry D. Michael (Rep.), majority, 1,503.

TWENTY-THIRD CIRCUIT

COUNTY	Mark L. Thompson, Republican	Francis J. Murphy, Democrat
Tippecanoe.....	9,983	7,636

Mark L. Thompson (Rep.), majority, 2,347.

TWENTY-FOURTH CIRCUIT

COUNTY	Ralph H. Waltz, Republican	George W. Osborn, Democrat
Hamilton.....	6,292	4,134

Ralph H. Waltz (Rep.), majority, 2,158.

TWENTY-FIFTH CIRCUIT

COUNTY	Ernest M. Dunn, Republican	Bert E. Woodbury, Democrat
Randolph.....	6,466	3,752

Ernest M. Dunn (Rep.), majority, 2,714.

TWENTY-SIXTH CIRCUIT

COUNTY	Wade L. Manley, Republican	E. Burt Lenhart, Democrat
Adams.....	2,940	4,064

E. Burt Lenhart (Dem.), majority, 1,124.

TWENTY-SEVENTH CIRCUIT

COUNTY	Howard E. Plummer, Republican
Wabash.....	6,930

Howard E. Plummer (Rep.), majority, 6,930.

ABSTRACT OF VOTE—Continued
PROSECUTING ATTORNEYS—Continued
TWENTY-EIGHTH CIRCUIT

COUNTIES	Victor H. Simmons, Republican	William A. Burns, Democrat
Blackford.....	3,204	2,664
Wells.....	3,642	4,136
Total.....	6,846	6,800

Victor H. Simmons (Rep.), majority, 46.

TWENTY-NINTH CIRCUIT

COUNTY	Don Douglass, Republican	Robert J. Arthur, Democrat
Cass.....	9,338	7,576

Don Douglass (Rep.), majority, 1,762.

THIRTIETH CIRCUIT

COUNTIES	James C. Murphey, Republican
Jasper.....	3,540
Newton.....	2,627
Total.....	6,167

James C. Murphey (Rep.), majority, 6,167.

THIRTY-FIRST CIRCUIT

COUNTY	Dwight M. Kinder, Republican	Ervin S. Whitmer, Democrat
Lake.....	15,359	4,498

Dwight Monroe Kinder (Rep.), majority, 10,910.

THIRTY-SECOND CIRCUIT

COUNTY	John B. Dilworth, Republican	Paul A. Krueger, Democrat
Laporte.....	7,940	7,354

John B. Dilworth (Rep.), majority 586.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

THIRTY-THIRD CIRCUIT

COUNTIES	George O. Compton, Republican	Robin Adair Strong, Democrat
Noble.....	5,162	4,239
Whitley.....	3,989	4,085
Total.....	9,151	8,324

George O. Compton (Rep.), majority 827.

THIRTY-FOURTH CIRCUIT

COUNTIES	Glen R. Sawyer, Republican	Roy Sargent, Democrat
Elkhart.....	9,210	7,712
Lagrange.....	3,130	1,852
Total.....	12,340	9,564

Glen R. Sawyer (Rep.), majority 2,776.

THIRTY-FIFTH CIRCUIT

COUNTIES	Henry C. Springer, Republican
Dekalb.....	5,744
Steuben.....	3,858
Total.....	9,602

Henry C. Springer (Rep.), majority 9,602.

THIRTY-SIXTH CIRCUIT

COUNTY	Alfred A. Fletcher, Republican	Calvin Albright, Socialist
Tipton.....	3,720	553

Alfred A. Fletcher (Rep.), majority 3,167.

THIRTY-SEVENTH CIRCUIT

COUNTIES	Elmer F. Bossert, Republican	Clifford W. Hoffman, Democrat
Franklin.....	3,532	3,941
Union.....	1,908	1,293
Total.....	5,440	5,234

Elmer F. Bossert (Rep.), majority 206.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

THIRTY-EIGHTH CIRCUIT

COUNTY	Louis F. Crosby, Republican	Samuel D. Jackson, Democrat
Allen.....	13,883	16,806

Samuel D. Jackson (Dem.), majority 2,923.

THIRTY-NINTH CIRCUIT

COUNTIES	Glen R. Slenker, Republican	John A. Rothrock, Democrat
Carroll.....	4,486	4,054
White.....	3,994	4,106
Total.....	8,480	8,260

Glen R. Slenker (Rep.), majority 220.

FORTIETH CIRCUIT

COUNTIES	Simpson B. Lowe, Republican	Merlin C. Roach, Democrat
Lawrence.....	5,074	5,349
Jackson.....	4,012	5,616
Total.....	9,086	10,965

Merlin C. Roach (Dem.), majority 1879.

FORTY-FIRST CIRCUIT

COUNTIES	Alvin F. Marsh, Republican	Charles G. Irvine, Democrat
Fulton.....	3,867	3,856
Marshall.....	5,393	5,037
Total.....	9,260	8,893

Alvin F. Marsh (Rep.), majority 367.

FORTY-SECOND CIRCUIT

COUNTIES	Henry L. Heil, Republican	Thomas P. Masterson, Democrat
Orange.....	4,024	3,561
Washington.....	3,180	4,275
Total.....	7,204	7,836

Thomas P. Masterson (Dem.), majority 632.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

FORTY-THIRD CIRCUIT

COUNTY	Noble J. Johnson, Republican	Duff Caldwell, Democrat	Orville E. Barker, Socialist
Vigo.....	15,053	13,911	765

Noble J. Johnson (Rep.), plurality 1,142.

FORTY-FOURTH CIRCUIT

COUNTIES	Jay M. Nye, Republican	George Dellinger, Jr., Democrat
Pulaski.....	2,475	2,853
Starke.....	2,289	2,094
Total.....	4,764	4,947

George Dellinger, Jr., (Dem.), majority 183.

FORTY-FIFTH CIRCUIT

COUNTY	Ernest W. Thompson, Republican	Paul E. Laymon, Democrat
Clinton.....	6,569	7,021

Paul E. Laymon (Dem.), majority 452.

FORTY-SIXTH CIRCUIT

COUNTY	Van L. Ogle, Republican	Obad. Kilgore, Democrat
Delaware.....	11,385	6,409

Van L. Ogle (Rep.), majority 4,976.

FORTY-SEVENTH CIRCUIT

COUNTY	Robert E. Guinn, Republican	Willis A. Satterlee, Democrat	Fred E. Coleman, Socialist
Vermillion.....	3,472	3,888	289

Willis A. Satterlee (Dem.), plurality 416.

FORTY-EIGHTH CIRCUIT

COUNTY	A. Jay Keever, Republican	J. Walter McClellan, Democrat	Wilbur Sheron, Socialist
Grant.....	8,533	8,469	511

A. Jay Keever (Rep.), Plurality, 64.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

FORTY-NINTH CIRCUIT

COUNTIES	J. Earle Thompson, Republican	John H. Spencer, Democrat
Daviess.....	6,342	5,810
Martin.....	2,659	2,711
Total.....	9,001	8,521

J. Earle Thompson (Rep.) Majority, 480.

FIFTIETH CIRCUIT

COUNTY	Arthur A. Beckman, Republican	Charles E. Smith, Democrat	Clarence L. Dawson, Socialist
Madison.....	13,496	13,746	514

Charles E. Smith (Dem.) Plurality, 250.

FIFTY-FIRST CIRCUIT

COUNTY	Hugh P. Lawrence, Republican	Rodney H. Bayless, Democrat
Miami.....	6,823	6,300

Hugh P. Lawrence (Rep.) Majority, 523.

FIFTY-SECOND CIRCUIT

COUNTY	Charles R. McBride, Republican	Charles R. Turner, Democrat
Floyd.....	5,349	7,104

Charles R. Turner (Dem.) Majority, 1,755.

FIFTY-THIRD CIRCUIT

COUNTY	George R. Jeffery, Republican	William J. Kelly, Democrat
Henry.....	7,542	4,418

George R. Jeffery (Rep.) Majority, 3,124.

FIFTY-FOURTH CIRCUIT

COUNTY	Morrison A. Rockhill, Republican	George L. Xanders, Democrat
Kosciusko.....	6,864	4,955

Morrison A. Rockhill (Rep.) Majority, 1,909.

ABSTRACT OF VOTE—Continued

PROSECUTING ATTORNEYS—Continued

FIFTY-FIFTH CIRCUIT

COUNTY	John T. Hume, Republican	Archie J. Kahl, Democrat
Hendricks.....	5,553	4,272

John T. Hume (Rep.) Majority, 1,281.

FIFTY-SIXTH CIRCUIT

COUNTY	Knowlton H. Kelsey, Republican	Burdge H. Hurd, Democrat	Edward G. Nix, Socialist
Huntington.....	6,461	7,530	125

Burdge H. Hurd (Dem.) Plurality, 1,069.

FIFTY-SEVENTH CIRCUIT

COUNTIES	Carl M. Gray, Democrat
Dubois.....	4,859
Pike.....	3,813
Total.....	8,672

Carl M. Gray (Dem.) Majority, 8,672.

FIFTY-EIGHTH CIRCUIT

COUNTY	Austin H. Williamson, Republican	Guy Bryan, Democrat
Jay.....	5,734	5,298

Austin H. Williamson (Rep.) Majority, 436.

SIXTIETH CIRCUIT

COUNTY	Frank E. Coughlin, Republican	M. Edward Doran, Democrat
St. Joseph.....	12,817	12,782

Frank E. Coughlin (Rep.) Majority, 35.

SIXTY-FIRST CIRCUIT

COUNTY	John P. Brissey, Republican
Fountain.....	4,687

John P. Brissey (Rep.) Majority, 4,687.

ABSTRACT OF VOTE—Continued
PROSECUTING ATTORNEYS—Continued
SIXTY-SECOND CIRCUIT

COUNTY	Forest A. Harness, Republican	William W. Watkins, Democrat
Howard.....	6,422	3,863

Forest A. Harness (Rep.) Majority, 2,559.

SIXTY-THIRD CIRCUIT

COUNTY	Alfred M. Beasley, Republican	George G. Humphreys, Democrat
Greene.....	5,982	7,560

George G. Humphreys (Dem.) Majority, 1,578.

SIXTY-FOURTH CIRCUIT

COUNTY	Frank Stoessel, Republican	Glenn H. Lyon, Democrat
Putnam.....	4,731	5,207

Glenn H. Lyon (Dem.) Majority, 476.

SIXTY-FIFTH CIRCUIT

COUNTY	John F. Joyce,	Gates Ketchum,
Rush.....	4,338	5,214

Gates Ketchum (Dem.) Majority, 876.

SIXTY-SIXTH CIRCUIT

COUNTY	James J. Robinson, Republican	George L. Bridenbager, Democrat	H. B. White, Socialist
Gibson.....	6,729	6,806	297

George L. Bridenbager (Dem.) Plurality, 77.

SIXTY-SEVENTH CIRCUIT

COUNTY	Field Ray Marine, Republican
Porter.....	4,186

Field Ray Marine (Rep.) Majority, 4,186.

ABSTRACT OF VOTE—Continued
 PROSECUTING ATTORNEYS—Continued
 SIXTY-EIGHTH CIRCUIT

COUNTY	Earl M. Dowd, Republican	Hugh H. Banta, Democrat
Park.....	4,100	4,341

Hugh H. Banta (Dem.) Majority, 241.

SIXTY-NINTH CIRCUIT

COUNTY	John W. Holcomb, Republican
Decatur.....	5,001

John W. Holcomb (Rep.) Majority, 5,001.

SEVENTIETH CIRCUIT

COUNTIES	Edmund S. Lincoln, Republican	Daniel C. Goble, Democrat
Perry.....	3,334	3,931
Spencer.....	4,389	4,534
Total.....	7,723	8,465

Daniel C. Goble (Dem.) Majority, 742.

SEVENTY-THIRD CIRCUIT

COUNTY	William E. Sparks, Republican	Leroy C. Hanby, Democrat
Fayette.....	4,265	3,214

William E. Sparks (Rep.) Majority, 1,051.

REPORT OF AUDITOR OF STATE

OFFICERS AND EMPLOYES

WILLIAM G. OLIVER, Auditor of State.
EDWARD A. REMY, Deputy Auditor.
L. C. JOHNSON, Audit Clerk.
GREENBERRY G. LOWE, Settlement Clerk.
LELA A. YOUNG, Stenographer and Clerk.
C. CLAUDE ROSENBARGER, Land Clerk.

DUTIES OF THE AUDITOR OF STATE

Section 151 of the Constitution of Indiana provides that there shall be elected by the voters of the State an auditor who shall hold his office for two years. He shall perform such duties as may be enjoined by law; and no person shall be eligible to serve as auditor more than four years in any period of six years.

The Auditor of State has numerous duties and responsibilities aside from the work of the Auditing Department. He is ex-officio Land Commissioner, a member of the State Board of Finance, the State Charter Board, the State Board of Accounts, the Board of Public Buildings and Grounds, the Board of Public Printing, and the Board of Appointment, which board appoints the members of the State Board of Health.

The Auditor of State is required to keep and state all accounts between the State of Indiana and the United States, or any State or Territory, or any individual or public officer of this State indebted to the State, or intrusted with the collection, disbursement or management of any moneys, funds or interest arising therefrom, belonging to the State, of every character and description whatsoever, when the same are derivable from or payable into the State Treasury.

Examine and liquidate the accounts of all county treasurers and other collectors and receivers of all state revenues, taxes, tolls and incomes, levied or collected by any act of the General Assembly, and payable into the State Treasury, and certify the amount or balance to the Treasurer of State.

Keep fair, clear, distinct and separate accounts of all the revenues and incomes of the State; and also of all expenditures, disbursements and investments thereof, showing the particulars of every expenditure, disbursement and investment.

Examine, adjust and settle the accounts of all public debtors, for debts due the State Treasury, and require all such persons, or their legal representatives, who may be indebted to the State for moneys received or otherwise, and who shall not have accounted therefor, to settle their accounts.

Examine and liquidate the claims of all persons against the State, in cases where provisions for the payment thereof shall have been made

by law; and when no such provisions, or an insufficient one, has been made, to examine the claim, and report the facts, with his opinion thereon, to the legislature; and no allowance shall be made to refund moneys from the treasury without his statement either for or against the justice of the claim.

Institute and prosecute, in the name of the State, all proper suits for the recovery of any debts, moneys or property of the State, or for the ascertainment of any right or liability concerning the same.

Direct and superintend the collection of all moneys due the State, and employ counsel to prosecute suits, instituted at his instance, on behalf of the State.

Draw warrants on the treasurer for all moneys directed by law to be paid out of the treasury to public officers, or for any other object whatsoever, as the same may become payable, and every warrant shall be properly numbered.

Furnish to the Governor, on his requisition, information in writing upon any subject relating to the duties of the office of auditor.

Superintend the fiscal concerns of the State and their management in the manner required by law, and furnish the proper forms to assessors, treasurers, collectors and auditors of counties.

Keep and preserve all public books, records, papers, documents, vouchers, and all conveyances, leases, mortgages, bonds, and all securities for debts, moneys or property, and accounts and property, of any description, belonging or appertaining to his office and also to the State, where no other provision is made by law for the safe-keeping of the same.

Suggest plans for the improvement and management of the public revenues, funds and incomes.

Report and exhibit to the General Assembly, at its biennial meeting, a complete statement of the revenues, taxables, funds, resources, incomes and property of the State, known to his office, and of the public revenues and expenditures of the two preceding fiscal years, with a detailed estimate of the expenditures to be defrayed from the treasury for the ensuing two years, specifying therein each object of expenditure, and distinguishing between each object of expenditure and between such as are provided for by permanent or temporary appropriations, and such as require to be provided for by law, and showing also the sources and means from which all such expenditures are to be defrayed.

AUDITING DEPARTMENT

STATEMENT OF BALANCES, RECEIPTS AND DISBURSEMENTS

A detailed statement of the work of the Auditing Department of the office of the Auditor of State for the fiscal year ending September 30, 1922, giving a condensed exhibit of the balances in the state treasury, by funds, at the beginning of the fiscal year, October 1, 1921; also the amounts received and disbursed from the several funds during the year and the balance on hand at the close of business September 30, 1922.

BALANCE BY FUNDS OCTOBER 1, 1921

General Fund	\$168,603 94
Educational institutions	307,833 71
Vocational education	57,748 71
State Debt Sinking Fund	340,000 00
Common School Fund Principal	10,657 99
Sale of state lands	11,446 47
Unclaimed estates	47,225 09
School revenue for tuition	227,447 45
Fire Marshal	70,724 07
Hydrophobia Fund	16,284 85
Highway Commission Fund	1,293,434 18
Soldiers' War Memorial Fund	180,425 20
Auto Theft Fund	257,659 25
Balance on hand September 30, 1921	\$2,989,490 91

RECEIPTS BY FUNDS FISCAL YEAR ENDING SEPTEMBER 30, 1922

General Fund	\$11,804,475 32
Benevolent Institution Fund	3,395,745 31
Educational Institution Fund	2,233,475 18
Vocational Educational Fund	337,944 33
Unclaimed estates	489 56
Common School Fund	14,291 63
Sale of state lands	617 75
School Revenue Tuition Fund	4,442,817 11
Permanent Endowment Interest Fund	45,871 72
Road Fund	3,030,977 46
Fire Marshal Fund	62,622 77
Hydrophobia Fund	22,070 14
State Highway Commission Fund	7,029,864 83
Auto Theft Fund	181,351 78
World War Memorial Fund	400,175 54
Agricultural Experiment Fund (Purdue University)	115,550 15
Teachers' Retirement Fund	43,408 40
Total	\$33,161,748 98

DISBURSEMENTS BY FUNDS FISCAL YEAR ENDING SEPTEMBER 30, 1922

General Fund	\$11,708,617 64
Benevolent Institution Fund	3,395,745 31
Educational Institution Fund	2,472,938 11
Vocational Education Fund	330,727 11
State Debt Sinking Fund	340,000 00
Unclaimed estates	151 65
Sale of state lands	547 10
School revenue for Tuition Fund	4,013,510 69
Permanent Endowment Interest Fund	45,871 72
Road Fund	3,030,977 46
Fire Marshal Fund	54,764 50
Hydrophobia Fund	18,648 97
State Highway Commission Fund	6,462,586 89
Auto Theft Fund	119,975 10
World War Memorial Fund	7,625 51
Agricultural Experiment Station (Purdue University)	57,775 07
Total	\$32,060,462 83

STATEMENT OF NET RECEIPTS AND DISBURSEMENTS
Showing Advancements, Refunds, Transfers and Temporary Loans
Made and Repaid During the Fiscal Year Ending
September 30, 1922

GENERAL FUND		
Governor's Emergency Contingent Fund—	Disbursements	Receipts
Advanced to Teachers' Retirement Fund.....	\$9,500 00	\$9,500 00
Refund from Teachers' Retirement Fund.....	9,500 00	9,500 00
Expenses advanced account of opening of Staunton coal mines	164 77	
Refund of expenses on account of opening Staunton coal mines		164 77
Transfer to superintendent buildings and grounds—Heating and Fuel Fund	1,746 95	1,746 95
Refund to superintendent buildings and grounds—Labor Fund	182 50	182 50
Governor's Civil and Military Contingent Fund—		
Expenses advanced to Foch Day Committee.....	1,937 79	
Refund expenses Foch Day Committee.....		1,937 79
Attorney General advance by Board of Finance.....	1,000 00	1,000 00
Circuit Court Judge's Salary refunded.....	350 00	350 00
State Board of Attendance account—refund.....	24 00	24 00
State Board of Charities—advancement, transportation...	900 00	900 00
Department of Conservation—		
Transfer from Fish and Game Fund to Salaries and Expense Fund	4,258 80	4,258 80
Transfer from Emergency and Contingent Fund to Conservation Department—Revolving Fund.....	6,287 06	6,287 06
Refund to division of engineering, expenses incurred on account of new Reformatory.....	72 65	72 65
Girls' School—refund to maintenance account.....	63 16	63 16
Boys' School—advancement by State Board of Finance to Industrial Rotary Fund	1,000 00	1,000 00
Miscellaneous Transfers—		
From General Fund to World War Memorial Fund..	48,651 20	
From General Fund to Teachers' Retirement Fund..	48,408 40	
From General Fund to Vocational Education Fund...	18,334 52	
From Benevolent Fund to General Fund.....		3,391,106 67
From State Debt Sinking Fund to General Fund....		285,000 00
Refund of taxes to counties account overpayment.....	2,735 91	2,735 91
Temporary loans during the fiscal year.....	1,350,050 00	1,350,050 00
Totals	\$1,500,167 71	\$5,065,880 26

BENEVOLENT INSTITUTION FUND

Transfers to General Fund.....	3,391,106 67	
Refund of taxes to counties on account of overpayment..	4,638 64	4,638 64

VOCATIONAL EDUCATION FUND

Refund of claims erroneously paid.....	22 50	22 50
Transfer from General Fund account of Federal rehabilitation law requirements		18,334 52

STATE DEBT SINKING FUND

Transfer to General Fund.....	285,000 00
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ROAD FUND

Transfer to State Highway Commission Fund.....	2,854,506 94
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STATE HIGHWAY COMMISSION FUND

Disbursements

Receipts

Transfer from Road Fund		2,854,506 94
HYDROPHOBIA FUND		
Transfer to Common School Fund.....	13,284 85	
COMMON SCHOOL FUND		
Transfer from Hydrophobia Fund.....		13,284 85
WORLD WAR MEMORIAL FUND		
Transfer from General Fund		48,651 20
TEACHERS' RETIREMENT FUND		
Transfer from General Fund		43,408 40
Total advancements and transfers.....	\$8,048,727 31	\$8,048,727 31

NET DISBURSEMENTS AND RECEIPTS

ALL FUNDS

Gross disbursements and receipts.....	\$32,060,462 83	\$33,161,748 98
Less advancements, refunds, transfers and loans.....	8,048,727 31	8,048,727 31
Net disbursements and receipts.....	\$24,011,735 52	\$25,113,021 67

GENERAL FUND

Gross disbursements and receipts.....	\$11,708,617 64	\$11,804,475 32
Less advancements, refunds, transfers and loans.....	1,500,167 71	5,065,880 26
Net disbursements and receipts.....	\$10,208,449 93	\$6,738,595 06

SUMMARY OF ALL FUNDS

Balance on hand October 1, 1921.....		\$2,989,490 91
Gross receipts	\$33,161,748 98	
Less advancements, etc.....	8,048,727 31	25,113,021 67
Total available for fiscal year.....		\$28,102,512 58
Gross disbursements	\$32,060,462 83	
Less advancements, etc.....	8,048,727 31	24,011,735 52
Balance on hand September 30, 1922.....		\$4,090,777 06

BALANCES BY FUNDS

General Fund	\$264,461 62
Educational Institution Fund	68,370 78
Vocational Education Fund	64,965 93
Unclaimed estates	47,563 00
Sale of state lands	11,517 12
School revenue for Tuition Fund	656,753 87
Fire Marshal Fund	78,582 34
Hydrophobia Fund	19,706 02
State Highway Commission Fund ..	1,860,712 12
Auto Theft Fund	319,035 93
Common School Fund	24,949 62
World War Memorial Fund	572,975 23
Agricultural Experiment Station (Purdue University)...	57,775 08
Teachers' Retirement Fund.....	43,408 40

Balance in Treasury September 30, 1922.....

\$4,090,777 06

GENERAL FUND DISBURSEMENTS AND RECEIPTS

Executive Department—	Disbursements	Receipts
Governor's salary	\$8,000 00	
Secretary	2,500 00	
Executive clerk	1,200 00	
Stenographer	900 00	
Office expense	995 76	
Rent, light and heat	1,800 00	
Emergency Contingent Fund	34,723 08	\$12,118 65
Civil and Military Contingent Fund.....	7,454 59	1,937 79
Alteration and Repair Fund	28,521 68	
Committee on Mental Defectives.....	4,999 91	
Furnishing Governor's mansion.....	19,999 90	
Maintenance of Governor's mansion.....	2,500 00	
Garage	4,970 80	
Emergency Compensation Fund.....	17,518 82	
Lieutenant-Governor, salary	1,000 00	
	<hr/>	
	\$137,084 54	\$14,056 44
Department of Adjutant-General—		
Adjutant-General, salary	\$5,000 00	
Chief clerk	1,175 00	
Stenographer	900 00	
Additional stenographer	900 00	
Quartermaster general chief clerk.....	1,200 00	
Quartermaster general stenographer.....	900 00	
Indiana Militia	201,736 82	\$1,838 95
Riot Fund	52,085 03	91 10
World War—soldiers' and sailors' record.....	2,857 88	
World War—soldiers' and sailors' record postage...	1,200 00	
	<hr/>	
	\$267,954 73	\$1,930 05
Department of State—		
Secretary of State, salary.....	\$6,500 00	
Deputy, salary	3,000 00	
Assistant deputy, salary.....	2,000 00	
Clerk and stenographer	1,200 00	
Office expense	633 30	
Distribution of public documents.....	250 00	
Distribution of court reports.....	200 00	
Foreign corporation and special recording.....	350 00	
Foreign corporation fees.....		\$68,826 45
Domestic corporation fees.....		193,721 00
Sale of court reports.....		5,026 50
Miscellaneous fees		14,583 87
Cashier, salary	1,500 00	
Securities Commission Fund.....	14,813 36	36,435 54
Preparation of records, Securities Department.....	500 00	
Files	2,063 83	
	<hr/>	
	\$33,010 49	\$318,593 36
Bureau of Public Printing and Stationery—		
Printing, binding and stationery.....	\$23,176 20	
Election Commission	3,203 48	
Supreme and Appellate Court reports.....	11,823 17	
Clerk's salary	2,700 00	
Assistant clerk's salary	1,800 00	
Messenger's salary	900 00	
Office expense	252 56	
	<hr/>	
	\$43,855 41	

Department of Auditor of State—	Disbursements	Receipts
Auditor of State's salary.....	\$7,500 00	
Deputy's salary	3,500 00	
Audit clerk's salary.....	3,000 00	
Settlement clerk's salary	2,500 00	
Audit department stenographer.....	1,200 00	
Land clerk	1,800 00	
Land clerk traveling expenses	62 36	
Land department fees.....		\$448 00
Land department rentals		500 00
Incorporation and miscellaneous fees.....		197 60
Office expense	606 02	
Real estate dealers' license fees.....		350 00
	<hr/>	<hr/>
	\$20,168 38	\$1,495 00
Department of Treasurer of State—		
Treasurer of State's salary.....	\$7,500 00	
Deputy	2,500 00	
Clerk and bookkeeper.....	1,500 00	
Office expense	379 97	
Adding machine	300 00	
Transportation agent's fees		\$50 00
	<hr/>	<hr/>
	\$12,179 97	\$50 00
Department of Attorney-General—		
Attorney-General's salary	\$7,500 00	
Assistant	3,396 77	
Deputy	2,383 35	
Second deputy	2,100 00	
Traveling deputy	1,600 00	
Clerk and stenographer	1,200 00	
Additional stenographer	900 00	
Traveling expense	633 05	
Law books	167 75	
Office expense	484 16	
Anti-trust, prohibition, escheated estates and other cases	19,157 20	\$1,000 00
	<hr/>	<hr/>
	\$39,522 28	\$1,000 00
Clerk Supreme and Appellate Courts—		
Clerk's salary	\$5,000 00	
Deputy	2,400 00	
Assistant deputy	1,500 00	
Copy clerk	900 00	
Record clerk	1,500 00	
Clerk and stenographer	900 00	
Office expense	576 93	
Supreme Court fees		\$3,705 25
Appellate Court fees		7,425 83
	<hr/>	<hr/>
	\$12,776 93	\$11,131 08
Reporter of Supreme and Appellate Courts—		
Reporter's salary	\$5,000 00	
Assistant	2,400 00	
Second assistant	2,000 00	
Third assistant	1,000 00	
Office expense	97 20	
	<hr/>	
	\$10,497 20	

Supreme Court—	Disbursements	Receipts
Judges' salaries	\$30,000 00	
Clerk-stenographers	6,000 00	
Librarian	1,800 00	
Messenger and assistant librarian	1,200 00	
Sheriff	900 00	
Law library	3,000 00	
Office and chambers	2,000 00	
	<hr/>	
	\$44,900 00	
Appellate Court—		
Judges' salaries	\$36,000 00	
Clerk-stenographers	7,200 00	
Messenger	1,200 00	
Expense	2,000 00	
Unpaid bills	362 16	
	<hr/>	
	\$46,762 16	
Superior, Circuit, Criminal and Probate Courts—		
Superior Court judges' salaries	\$79,461 27	
Circuit Court judges' salaries	294,268 33	\$350 00
Criminal Court judges' salaries	8,400 00	
Probate Court judges' salaries	8,400 00	
Prosecuting attorneys' salaries	35,000 00	
Docket fees		20,359 90
	<hr/>	
	\$425,529 60	\$20,709 90
Department of Public Instruction—		
Superintendent's salary	\$5,000 00	
Deputy's salary	1,800 00	
Clerk	1,400 00	
Stenographer	1,190 00	
Office and traveling	1,744 00	
Board of Education	8,796 16	
State Teachers' Training Board	10,137 08	\$4,472 80
Elementary and high school inspector	10,247 39	
Board of Attendance	4,971 31	24 00
	<hr/>	
	\$45,285 94	\$4,496 80
State Library—		
Librarian's salary	\$2,500 00	
Salaries and expense	32,462 24	\$12 20
Shelving	4,997 15	
	<hr/>	
	\$39,959 39	\$12 20
State Board of Health—		
Secretary's salary	\$4,000 00	
Expense	29,326 82	
Child hygiene	19,998 88	
Food and drugs	28,402 05	
Laboratory maintenance	11,998 62	
Division of tuberculosis	9,999 96	
Weights and measures	9,583 02	
Baby book	2,112 59	
Veneral disease	43,588 21	\$1,700 87
Cold storage license fees		370 00
Leper Fund	1,466 26	
Water analysis fees	6,422 98	5,920 00
Division of housing	12,941 63	1,045 00
Infant and maternity welfare hygiene	3,603 96	20,700 00
	<hr/>	
	\$183,444 98	\$29,735 87

Board of State Charities—		Disbursements	Receipts
Expense		\$14,999 89	
Agency Dependent Children.....		21,394 85	
License Fund		2,992 67	
Outdoor Relief		3,499 05	
Deportation		1,937 86	
Transportation		900 00	\$900 00
		<hr/>	<hr/>
		\$45,724 32	\$900 00
Board of Tax Commissioners—			
Expense		\$59,657 38	
Secretary's salary		3,000 00	
State tax commissioners' salaries		13,500 00	
State tax commissioners' expense		1,948 85	
		<hr/>	
		\$78,106 23	
Board of Accounts—			
State examiner's salary		\$4,000 00	
Deputy examiners' salaries		6,000 00	
Clerical assistance		6,745 00	
Office and traveling expense		1,721 07	
Examination fees		6,860 62	
Expense drafting General Salary Bill		635 00	
Budget Department		5,813 24	
Board of Certified Accountants			\$1,278 80
		<hr/>	<hr/>
		\$31,774 93	\$1,278 80
Superintendent Public Buildings and Property—			
Superintendent's salary		\$2,500 00	
Assistants		36,000 00	\$182 50
Repairs		19,937 69	
Illumination and power		6,868 69	
Water and ice		2,597 08	
Heating and fuel		11,746 95	1,746 95
		<hr/>	<hr/>
		\$79,700 41	\$1,929 45
Department of Conservation—			
Salaries and expense		\$99,258 80	\$4,258 80
Revolving Fund		44,605 88	88,575 56
Fish and Game Fund		130,428 79	148,964 06
Entomology License Fund		880 64	626 00
Geology, gas well fees.....		1,800 00	2,430 00
Miscellaneous receipts			86 70
Division of engineering		15,071 92	72 65
		<hr/>	<hr/>
		\$292,046 03	\$175,013 77
Industrial Board—			
Salaries and expense		\$79,978 44	
Fees			\$17,750 42
Employment Commission, salaries and expense		21,078 64	
Employment Commission, license fees			562 50
Department Women and Children		516 34	
Department of Mines and Mining.....		17,931 84	
		<hr/>	<hr/>
		\$119,505 26	\$18,312 92
Public Service Commission—			
Salaries and expense		\$162,482 07	\$111,697 12

Livestock Sanitary Board—		Disbursements	Receipts
Salaries and expenses		\$28,790 24	
Receipts			\$4,001 00
Condemned tubercular cattle		99,999 09	
Foot and mouth disease		225 00	
		<hr/>	<hr/>
		\$129,014 33	\$4,001 00
Board of Pardons—			
Commissioners' per diem		\$4,560 00	
Commissioners' expense		571 26	
Clerk		1,500 00	
Office expense		149 92	
Extra clerk and stenographer		134 15	
		<hr/>	
		\$6,915 33	
Soldiers' and Sailors' Monument—			
Maintenance		\$17,366 82	
Special		114 71	
Receipts and earnings			\$13,258 90
		<hr/>	<hr/>
		\$17,481 53	\$13,258 90
Board of Industrial Aid for Blind—			
Expenses		\$129,001 56	
Equipment Women's Industrial Department		1,945 51	
Purchase raw materials.....		4,972 53	
Receipts			\$83,377 80
		<hr/>	<hr/>
		\$135,919 60	\$83,377 80
Legislative Reference Bureau—			
Salaries and expense		\$9,448 45	\$2 00
Year Book		13,008 77	
Co-operative Crop Reporting Service		1,714 68	
		<hr/>	<hr/>
		\$24,171 90	\$2 00
Oil Inspection—			
Food and Drug Commissioner, salaries		\$3,800 01	
Office expense		899 09	
Inspectors' salaries and expense		68,494 06	\$168,392 73
		<hr/>	<hr/>
		\$73,193 16	\$168,392 73
Nancy Hanks' Lincoln Burial Ground Commission...		\$1,799 95	
State Soldiers' Home—			
Commandant, salary		\$2,500 00	
Adjutant, salary		1,500 00	
Chief post surgeon, salary		2,500 00	
First assistant post surgeon, salary.....		2,000 00	
Second assistant post surgeon, salary		1,633 31	
Third assistant post surgeon, salary		923 38	
Maintenance		223,606 58	
Repairs and painting		18,799 06	
Garage		838 21	
Repair of steam and water lines		1,199 99	
High Frequency Electrical Cabinet		17 50	
One 100 K.W. dynamo and engine		25 00	
Hot water tank		112 50	
Receipts and earnings.....			\$807 20
Government aid			20,580 00
Clothing storeroom and equipment		6,315 62	
New hospital and kitchen, etc.		135,662 10	
Power lawn mower		180 00	
Framing portraits Civil War officers		353 15	
		<hr/>	<hr/>
		\$398,166 40	\$21,387 20

Soldiers' and Sailors' Orphans' Home—	Disbursements	Receipts
Maintenance	\$116,857 38	
Repairs	8,995 99	
Library	299 75	
Musical instruments, supplies and gymnasium equipment	1,000 00	
Officers' salaries	4,678 20	
Insurance	400 00	
Agents' Fund	73 86	
Construction ice and cold storage plant	2,200 20	
Tiling farm and garden	12 60	
Household furnishings	1,998 68	
Cylinder printing press	3,111 25	
New type for printing department	300 00	
Receipts and earnings		\$378 19
	<hr/>	<hr/>
	\$139,927 91	\$378 19
 Tuberculosis Hospital—		
Maintenance	\$39,099 38	
Repairs	9,999 78	
Turbine engine	2,249 86	
One ton truck and equipment	680 00	
Motor emery wheel and drill	249 22	
Fire protection	390 18	
Children's building	34,702 78	
Superintendent and nurses' cottage	6,341 87	
Kitchen equipment	621 00	
Fencing, tiling, etc.	1,684 29	
Office equipment	84 00	
Moving picture machine	458 67	
Topographical survey	195 00	
Milking machine	100 00	
Clothing	999 98	
Receipts from counties		\$28,164 70
Receipts from patients		994 43
Receipts and earnings		95 74
	<hr/>	<hr/>
	\$147,856 01	\$29,254 87
 Central Hospital for Insane—		
Maintenance	\$453,653 60	
Repairs	49,990 58	
Clothing	22,955 90	
Boiler room and steam lines	14,999 73	
Plastering	5,943 26	
Painting	15,914 86	
Plumbing and reconstruction department for women.	6,969 88	
Kitchen equipment	1,898 54	
Chemical fire engine	1,939 75	
New floors and repairs	4,998 53	
Remodeling old buildings and erecting new building for men	258,338 50	
Iron fences	5,979 82	
Vegetable and root house	4,966 66	
Receipts from counties		\$18,169 69
Individual support		17,882 19
Receipts and earnings		1,941 74
	<hr/>	<hr/>
	\$848,549 61	\$37,993 62

Eastern Hospital for Insane—		Disbursements	Receipts
Maintenance		\$230,110 67	
Repairs		19,871 33	
Clothing		9,382 64	
Farm building and equipment		15,285 76	
Kitchen and cold storage		846 50	
Two officers' cottages		5,436 27	
Receipts from counties			\$5,754 10
Individual support			16,998 89
Receipts and earnings			482 96
		<hr/>	<hr/>
		\$280,933 17	\$23,235 95
Northern Hospital for Insane—			
Maintenance		\$277,781 06	
Repairs		24,999 90	
Clothing		11,999 23	
Repair Assembly Hall		4,347 14	
Installation soft water system		11,989 82	
Farm colony		5,823 53	
Receipts from counties			\$9,257 07
Individual support			8,549 50
Receipts and earnings			1,201 88
		<hr/>	<hr/>
		\$336,940 68	\$19,008 45
Southern Hospital for Insane —			
Maintenance		\$134,440 15	
Repairs		8,978 05	
Clothing		7,280 31	
Repair farm buildings		2,119 78	
Receipts from counties			\$6,148 97
Individual support			3,996 50
Receipts and earnings			3,889 90
		<hr/>	<hr/>
		\$152,818 29	\$14,035 37
Southeastern Hospital for Insane—			
Maintenance		\$306,907 09	
Repairs		14,999 38	
Clothing		8,499 66	
Bridges, walks, roads, etc.		6,453 55	
Cold storage plant		5,929 88	
Farm colony		8,040 67	
Receipts from counties			\$8,493 15
Individual support			9,420 00
Receipts and earnings			2,196 88
		<hr/>	<hr/>
		\$350,830 23	\$20,110 03
School for Feeble-Minded Youth—			
Maintenance		\$261,884 64	
Repairs and painting		17,500 00	
Black Hawk farm, fencing, tiling, etc.		4,262 48	
Bath and toilet room repair		1,105 96	
Electric wiring		3,492 50	
Dehydrating and canning plant		817 19	
Repair fire loss, Black Hawk farm		3,292 74	
Individual support			\$7,948 02
Insurance			150 00
Receipts and earnings			592 32
		<hr/>	<hr/>
		\$292,355 51	\$8,690 34

Village for Epileptics—	Disbursements	Receipts
Maintenance	\$125,994 31	
Repairs	11,996 90	
Groups female patients	157,731 50	
School house, chapel and recreation	1,188 00	
Industrial building for women	481 19	
Extension pipe line and water supply	4,200 00	
Farm improvement, tools, etc.	500 29	
Receipts from counties		\$4,045 12
Individual support		792 56
Receipts and earnings		1,068 99
	<hr/>	<hr/>
	\$302,092 19	\$5,906 67
Indiana Girls' School—		
Maintenance	\$118,793 50	\$63 16
Repairs	5,996 44	
Tiling	1,499 83	
Household furnishings	4,537 80	
Receipts and earnings		167 25
Receipts from counties		54,535 60
	<hr/>	<hr/>
	\$130,827 57	\$54,766 01
Indiana Boys' School—		
Maintenance	\$139,999 95	
Repairs	12,496 97	
Electric motors	649 98	
Livestock and farm equipment	4,544 29	
Beds and bedding.....	3,499 41	
Electric wiring	5,500 00	
Silo	1,000 00	
Industrial Rotary Fund	748 06	\$1,840 00
Hospital addition and equipment.....	343 48	
Shop and school equipment	4,750 00	
Receipts and earnings		440 97
Receipts from counties		76,734 40
	<hr/>	<hr/>
	\$173,532 14	\$79,015 37
Indiana Women's Prison—		
Maintenance	\$33,562 35	
Repairs	2,703 46	
Rotary Fund	766 80	\$213 95
Receipts and earnings		4,205 55
	<hr/>	<hr/>
	\$37,032 61	\$4,419 50
Indiana State Prison—		
Maintenance	\$295,024 47	
Repairs	10,000 00	
Discharge, parole, supervision and rewards	18,000 00	
Library and amusements	1,500 00	
Binder twine	576,248 09	\$896,479 03
Farm Fund	21,997 24	18,866 98
Annex to hospital for criminal insane	374 20	
Laundry for hospital criminal insane	10,000 00	
Insurance	1,104 00	
Receipts and earnings		656 26
	<hr/>	<hr/>
	\$934,248 00	\$916,002 27

Indiana Reformatory—		Disbursements	Receipts
Maintenance		\$253,336 12	
Repairs		13,325 68	
Trade school		14,983 75	
School of letters.....		9,791 27	
Parole, discharge and supervision prisoners.....		28,787 49	
Farm Fund		3,720 77	\$4,927 44
Receipts and earnings.....			1,073 61
Manufacturing trade school.....		150,310 90	178,363 15
Clothing		10,000 00	
Heat, light and water connections.....		2,099 77	
Installation fire signals and water plugs.....		1,868 52	
Bath, toilets and linen.....		1,174 43	
Store room, cold storage and ice.....		299 70	
Relocation of reformatory.....		358,432 19	
		<hr/> \$848,130 59	<hr/> \$184,364 20
Indiana State Farm—			
Maintenance		\$97,491 96	
Repairs		2,998 38	
Recapturing prisoners		527 31	
Industry Fund		67,811 80	\$91,175 13
Nursery stock		998 35	
Cold storage plant.....		2,346 50	
Transportation of prisoners.....			4,104 77
Receipts and earnings			811 22
Completion of dormitory and hospital.....		891 41	
White lead and oil.....		998 28	
Radiation dryer and brick kiln.....		1,485 13	
Blacksmith, carpenter and machine shop.....		1,215 64	
Sheep barn		3,132 55	
Brick cottage		1,475 06	
Woven wire fencing		1,198 98	
Wire netting		197 76	
		<hr/> \$182,769 11	<hr/> \$96,091 12
Indiana School for Deaf—			
Maintenance		\$121,284 54	
Repairs		4,813 12	
Industries		5,836 08	
Library		246 90	
Painting		1,307 64	
Receipts and earnings			917 82
Receipts from counties.....			149 03
Coal bunkers and coal handling equipment.....		3,065 30	
Fencing, tools and agricultural equipment.....		636 40	
		<hr/> \$137,189 98	<hr/> \$1,066 85
Indiana School for Blind—			
Maintenance		\$62,508 04	
Repairs		2,489 67	
Books, musical instruments, etc.		1,481 81	
Receipts and earnings			387 73
Household equipment		1,924 69	
Auto truck and closed car.....		1,491 59	
		<hr/> \$69,895 80	<hr/> \$387 73

Farm Colony for Feeble-Minded—	Disbursements	Receipts
Maintenance	\$49,551 73	
Repairs and painting	6,506 35	
Building and equipping three colony houses.....	15,956 01	
Administration and service building.....	25,587 26	
Nursery stock	107 52	
Purchase of live stock.....	314 44	
Fencing and tiling farm.....	4,993 29	
Recapture and return of inmates.....	170 35	
Receipts and earnings		746 08
Individual support		3,869 88
	<hr/>	<hr/>
	\$103,186 95	\$4,615 96
Purdue University—		
United States appropriation.....	\$50,000 00	\$50,000 00
Annual State appropriation	177,250 00	
Interest on bonds.....	17,000 00	
Appropriation, General Fund one cent levy, Acts 1921	102,377 94	
	<hr/>	<hr/>
	\$346,627 94	\$50,000 00
Indiana University—		
Roert Long Hospital	\$65,000 00	
Riley Hospital for Children	23,245 00	
Appropriation, General Fund one cent levy, Acts 1921	102,377 94	
Waterman property, rental	3,163 50	4,201 00
	<hr/>	<hr/>
	\$198,786 44	\$4,201 00
Indiana State Normal—		
Construction Muncie branch	\$31,135 42	
Appropriation, General Fund one cent levy, Acts 1921	51,188 97	
	<hr/>	
	\$82,324 39	
Insurance Department—		
Salaries and expense.....	\$55,408 69	\$14,749 20
Insurance taxes		1,069,590 87
Insurances fees		139,263 02
Night watchman	750 00	
	<hr/>	<hr/>
	\$56,158 69	\$1,223,603 09
Banking Department—		
Bank Commissioner's salary	\$5,000 00	
Employees' salaries	35,774 99	
Bank Examiners' expense	10,164 41	
Building and Loan Examiners' expense.....	3,098 06	
Loan and Credit Examiners' expense.....	9 66	
Contingent Fund	1,154 12	
Printing	726 92	
Postage	250 00	
Expense and special fees.....	253 53	554 89
Bank fees		92,480 31
	<hr/>	<hr/>
	\$56,431 69	\$93,035 20
Board of Pharmacy—		
Pharmacy Fund	\$5,002 54	\$1,733 00
Anti-Narcotic Fund	4,416 15	
	<hr/>	<hr/>
	\$9,418 69	\$1,733 00

	Disbursements	Receipts
Emergency and Contingent Fund.....	\$149,134 64	
Legislative expenses	6,314 93	
Board of Medical Registration and Examination.....	4,928 58	\$4,417 00
Board of Embalmers.....	1,879 83	2,351 80
Board of Optometry	1,371 73	1,174 00
Board Registration and Examination of Nurses.....	5,702 55	4,822 00
Indiana Board of Agriculture	277,381 32	50,000 00
Horticultural Society	2,999 26	
Dairymen's Association	500 00	
Stock Breeders' Association	418 89	
State Corn Growers' Association.....	868 34	
Indiana Historical Commission	18,663 02	301 80
Grand Army of the Republic.....	2,498 30	
Specific appropriations	45,116 92	
Lunacy Commission	63 00	
Escaped prisoners—Sheriff's expense	765 00	
Public Library Commission	21,239 52	
Memorial Art Commission	31 73	
Academy of Science	3,480 17	
Board of Finance	1,000 00	
Rhoda J. Chase Pension Fund	1,200 00	
Indiana World War Memorial	48,651 20	
Juvenile Probation Officer	6,704 36	
Battle Flag Commission	1,907 90	
Teachers' Retirement Fund	502,826 55	502,825 65
Board of Registration Engineers and Surveyors.....	18,151 48	26,896 00
Temporary loans	1,382,809 13	2,850,050 00
General Lawton Monument	2,000 00	
Codification of Drainage Law.....	341 89	
State tax	2,735 91	726,396 01
Taxes transferred	799 33	799 33
Depository interest		45,265 48
Transportation tax		37,141 13
Vessel tonnage tax		1,058 34
General Fund—Miscellaneous receipts		192 33
Transfer warrants	18,334 52	3,676,106 67
Total General Fund.....	\$11,708,617 64	\$11,804,475 32

BENEVOLENT INSTITUTION FUND

Taxes from counties		\$3,395,745 31
Transfer warrants to General Fund.....	\$3,395,745 31	

EDUCATIONAL INSTITUTION FUND

Purdue University—		
Tax from counties		\$892,699 30
Depository interest		665 12
Payroll and miscellaneous.....	\$893,364 42	
Building Fund	232,355 52	
Agricultural Experiment Station tax.....	57,775 07	115,550 15
	\$1,183,495 01	\$1,008,914 57
Indiana University—		
Tax from counties		\$892,699 30
Depository interest		243 69
Payroll and miscellaneous	\$892,942 99	
Building Fund	2,674 12	
	\$895,617 11	\$892,942 99

Indiana State Normal—	Disbursements	Receipts
Tax from counties		\$446,349 66
Depository interest		818 11
Payroll and miscellaneous.....	\$446,601 06	
Building Fund	5,000 00	
	<hr/>	<hr/>
	\$451,601 06	\$447,167 77

VOCATIONAL EDUCATIONAL FUND

Industrial, agricultural and domestic science.....	\$246,841 21	\$22 50
County Agents	82,814 27	
Depository interest	1,071 63	1,071 63
Government aid		117,625 32
Tax from counties		200,890 36
State aid, rehabilitation		18,334 52
	<hr/>	<hr/>
	\$330,727 11	\$337,944 33

STATE DEBT SINKING FUND

Temporary loan to Indiana Board of Agriculture.....	\$55,000 00
Temporary transfer to General Fund.....	285,000 00
	<hr/>
	\$340,000 00

COMMON SCHOOL FUND

Transfer from Hydrophobia Fund.....	\$13,284 85
Reclamation state land	1,006 78
	<hr/>
	\$14,291 63

SALE OF STATE LANDS

Sale of state land.....	\$547 10	\$617 75
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UNCLAIMED ESTATES

Unclaimed estates	\$151 65	\$489 56
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SCHOOL REVENUE FOR TUITION

Tax from counties		\$3,796,525 73
School Fund interest		632,585 01
Unclaimed fees		1,263 89
Manuscript fees		4,270 02
Show license		8,172 46
Apportionment	\$3,650,279 63	
Town and township deficiency	363,231 06	
	<hr/>	<hr/>
	\$4,013,510 69	\$4,442,817 11

PERMANENT ENDOWMENT FUND INTEREST

Interest from counties		\$45,871 72
Professors' salaries, Indiana University.....	\$45,871 72	
	<hr/>	<hr/>
	\$45,871 72	\$45,871 72

TEACHERS' RETIREMENT FUND

Transfer from General Fund.....		\$43,408 40
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FIRE MARSHAL FUND

Tax from companies		\$62,622 77
Salaries and expense	\$54,764 50	
	<hr/>	<hr/>
	\$54,764 50	\$62,622 77

HYDROPHOBIA FUND

	Disbursements	Receipts
Receipts from counties		\$22,070 14
Salaries and expenses	\$5,364 12	
Transferred to Common School Fund.....	13,284 85	
	<hr/> \$18,648 97	<hr/> \$22,070 14

WORLD WAR MEMORIAL FUND

Tax from counties	\$7,625 51	\$341,642 96
Depository interest		9,881 38
Transfer from General Fund.....		48,651 20
	<hr/> \$7,625 51	<hr/> \$400,175 54

AUTO THEFT FUND

Salaries and expense	\$119,975 10	
Fees		\$175,964 00
Depository interest		5,387 78
	<hr/> \$119,975 10	<hr/> \$181,351 78

ROAD FUND

Automobile license fees		\$2,983,068 00
Depository interest		47,909 46
Expense and refund	\$176,470 52	
Transfer to State Highway Fund.....	2,854,506 94	
	<hr/> \$3,030,977 46	<hr/> \$3,030,977 46

STATE HIGHWAY FUND

Disbursements	\$6,462,586 89	*\$75,000 00
Tax from counties		2,050,024 64
Federal aid		821,912 91
Inheritance tax		798,387 64
Transfer from Road Fund		2,854,506 94
Miscellaneous receipts and reimbursements.....		430,032 70
	<hr/> \$6,462,586 89	<hr/> *\$7,029,864 83
Total	<hr/> \$32,060,462 83	<hr/> \$33,161,748 98

*NOTE.—Included in the gross receipts to the State Highway Fund, as shown by this report, is check No. 76542, for \$75,000.00, payable to the Treasurer of State, and the same represents an advancement of \$75,000.00 made to the Director of the Indiana State Highway Commission, by the State Board of Finance, on May 17, 1921.

As a result of this advancement in May, 1921, and its return to the treasury in September, 1922, the gross receipts as shown on the Auditor of State's records for the fiscal year, ending September 30, 1922, are \$75,000.00 greater than the actual receipts to the Indiana State Highway Commission Fund.

STATE DEBT

Purdue University—Non-negotiable 5 per cent bonds.....	\$340,000 00
Five per cent stock certificates issued under Act 1845 and 1846..	\$3,469 99
Two and one-half per cent certificates issued under the same Act	2,145 13—
Temporary loans—Sec. 1, Chapter 168, Acts 1913.....	5,615 12
Temporary loan for Indiana State Board of Agriculture.....	1,500,000 00
	50,000 00
Total	<hr/> \$1,895,615 12

STATE TAXES OF INDIANA

YEAR	State Revenue	State School Revenue	Benevolent Institution	State Debt Sinking Fund	Educational Institution	Vocational Education	Highway Commission	Memorial Fund	Agricultural Experiment Station	Teachers' Retirement Fund	Total Levies.
1900.....	9	11	5	3	1 666	.....	.....	.....	.....	.....	29.666
1901.....	9	11	5	3	1 666	.....	.....	.....	.....	.....	29.666
1902.....	9	11	5	3	1 666	.....	.....	.....	.....	.....	29.666
1903.....	9	11	5	3	2 75	.....	.....	.....	.....	.....	30.75
1904.....	9	11	5	3	2 75	.....	.....	.....	.....	.....	30.75
1905.....	12	11.6	5	.....	2 75	.....	.....	.....	.....	.....	31.35
1906.....	12	11.6	5	.....	2 75	.....	.....	.....	.....	.....	31.35
1907.....	12	13.6	5	.....	2 75	.....	.....	.....	.....	.....	33.35
1908.....	9	13.6	5	3	2 75	.....	.....	.....	.....	.....	33.35
1909.....	9	13.6	5	3	2 75	.....	.....	.....	.....	.....	33.35
1910.....	9	13.6	5	1.5	2 75	.....	.....	.....	.....	.....	31.85
1911.....	9	13.6	5	1.5	2 75	.....	.....	.....	.....	.....	31.85
1912.....	9	13.6	5	1.5	2 75	.....	.....	.....	.....	.....	31.85
1913.....	7	13.6	10	1.5	7	1	.....	.....	.....	.....	40.10
1914.....	7	13.6	10	1.5	7	1	.....	.....	.....	.....	40.10
1915.....	7	13.6	10	1.5	7	1	.....	.....	.....	.....	40.10
1916.....	7	13.6	10	1.5	7	1	.....	.....	.....	.....	40.10
1917.....	4	13.6	10	.....	7	.5	.....	.....	.....	.....	35.10
1918.....	4	13.6	10	.....	7	.5	.....	.....	.....	.....	35.10
1919.....	2	5.2	3 9	.....	2 8	.2	3 9	.....	.....	.....	18.00
1920.....	1	5.6	5 9	.....	2 8	.2	3 9	.6	.....	.....	20.00
1921.....	1	7	6	.....	5	.5	3 3	.6	.4	.2	24.00
1922.....	2	7	8	.....	5	.5	3.	.6	.4	.5	27.00

ASSESSED VALUATION, STATE OF INDIANA, FOR THE YEAR 1921.

COUNTIES	Value of Lands	Value of Improvements	Value of Lands and Improvements	Value of Lots	Value of Improvements	Value of Lots and Improvements	Total Value of Real Estate	Mortgage Exemptions (To be Deducted)
Adams.....	\$27,840,070	\$7,020,840	\$34,860,910	.....	.....	.....	\$34,860,910	\$1,288,030
Allen.....	46,934,770	6,669,540	53,604,220	\$43,338,100	\$50,132,200	\$93,470,300	147,074,520	5,671,240
Bartholomew.....	25,679,785	2,159,845	27,839,630	3,737,620	4,811,990	8,549,610	36,389,240	773,175
Benton.....	48,663,645	3,276,645	51,940,190	1,043,595	2,821,965	3,865,560	55,805,750	526,765
Blackford.....	12,302,615	5,299,035	17,601,650	.....	.....	.....	17,601,650	436,380
Boone.....	37,578,820	5,483,660	43,062,480	1,940,295	3,723,685	5,663,980	48,726,460	1,435,600
Brown.....	3,965,790	453,180	4,418,970	37,640	7,75,010	112,650	2,531,620	188,250
Carroll.....	33,405,600	3,696,150	37,101,750	736,455	2,109,460	2,845,915	39,947,665	794,640
Cass.....	31,219,835	3,430,885	34,650,720	8,365,130	7,907,665	16,272,795	50,943,515	1,599,535
Clark.....	7,969,540	1,781,440	9,750,980	2,792,770	4,105,290	6,898,060	16,649,040	596,535
Clay.....	11,349,770	2,758,775	14,108,545	1,259,965	3,105,355	4,365,350	18,473,895	682,615
Cannon.....	44,290,260	4,217,010	48,507,270	4,436,615	6,118,415	10,605,030	59,112,300	1,429,980
Crawford.....	2,158,440	483,025	2,641,465	89,580	378,680	468,260	3,109,725	166,500
Davies.....	16,963,595	1,933,075	18,896,670	1,729,955	4,097,985	5,827,940	24,724,610	1,584,345
Dearborn.....	6,990,470	1,900,535	8,891,005	1,128,620	3,567,175	4,695,795	13,588,800	741,790
Dekalb.....	17,756,080	4,454,790	22,210,870	2,116,720	5,298,400	7,415,120	29,625,990	1,376,670
Decatur.....	21,511,595	2,871,265	24,382,860	1,109,570	3,111,135	4,220,705	28,603,565	613,175
Delaware.....	34,992,835	8,264,400	43,257,235	10,673,900	15,615,385	26,289,285	69,546,520	2,835,085
Dubois.....	7,299,840	1,456,600	8,756,440	918,500	1,883,005	2,801,505	11,557,945	501,435
Elkhart.....	29,737,620	6,711,020	36,448,640	11,241,750	20,226,750	31,468,500	67,917,140	1,996,370
Fayette.....	11,713,760	1,606,420	13,320,180	3,276,620	4,674,920	7,951,540	21,271,720	753,360
Floyd.....	2,708,165	1,858,530	4,566,695	4,316,180	6,686,015	10,002,195	14,008,890	558,870
Fountain.....	28,879,650	2,355,770	31,235,420	1,732,735	2,911,895	4,644,630	35,880,050	984,380
Franklin.....	11,216,400	2,295,830	13,512,230	451,775	1,617,565	2,069,340	15,581,570	466,290
Fulton.....	19,515,755	2,967,825	22,483,580	1,299,085	2,773,475	4,072,560	26,556,140	1,000,680
Gibson.....	27,237,165	3,606,850	30,844,015	2,175,350	4,766,465	6,941,815	37,785,830	1,206,380
Grant.....	33,813,230	5,542,440	39,355,670	5,675,470	10,526,770	16,202,240	55,557,910	1,326,340
Greene.....	37,858,550	2,727,205	40,585,755	1,749,415	4,138,895	5,888,310	46,474,065	1,077,315
Hamilton.....	3,842,510	3,842,510	7,685,020	1,597,990	3,373,840	4,971,830	40,726,910	1,329,080
Hancock.....	28,486,500	3,981,600	32,468,100	1,199,100	3,507,890	4,706,990	37,175,090	740,860
Harrison.....	4,659,555	1,468,495	6,128,050	258,410	823,310	1,081,720	7,209,770	519,880
Hendricks.....	38,583,540	3,427,360	42,010,900	3,087,210	3,135,125	5,192,335	47,203,135	1,221,120
Henry.....	29,796,470	4,811,030	34,608,400	3,139,480	5,938,140	9,077,620	43,686,020	1,634,660
Howard.....	31,027,535	7,260,375	38,287,910	10,025,160	14,313,175	24,338,335	62,626,245	1,832,395
Huntington.....	26,477,480	5,346,220	30,823,700	4,370,610	8,576,880	12,947,490	43,771,190	1,371,810

Jackson.....	2,121,580	22,491,230	2,750,790	3,486,780	6,237,570	28,728,800	799,200
Jasper.....	2,998,870	30,372,790	970,390	1,738,780	2,709,170	33,081,960	669,480
Jay.....	2,643,850	32,043,035	1,729,095	3,349,230	5,078,235	33,141,270	1,296,490
Jefferson.....	1,816,230	8,951,530	929,360	2,380,670	3,310,030	12,261,560	673,540
Jennings.....	1,555,660	9,735,510	483,110	1,287,945	1,771,055	11,506,565	622,580
Johnson.....	3,162,770	31,039,230	2,290,030	4,261,720	6,551,750	37,590,980	927,910
Knox.....	3,488,080	33,340,950	7,298,490	10,827,470	18,055,960	51,396,910	2,779,050
Kosensko.....	4,152,095	32,792,900	2,773,430	5,045,700	7,819,130	40,611,330	1,267,800
Lagrange.....	3,286,095	20,549,530	473,380	1,617,960	2,091,340	22,640,870	7,718,165
Lake.....	133,861,040	223,407,240	.....	.....	.....	223,407,240	4,533,630
LaPorte.....	4,201,480	30,183,950	6,718,540	14,141,580	20,860,120	51,044,070	1,617,710
Lawrence.....	4,622,230	12,139,485	.....	.....	.....	12,139,485	851,225
Madison.....	4,932,935	44,064,325	10,453,895	17,682,875	28,136,770	72,201,095	2,513,320
Marion.....	7,127,680	77,382,720	213,473,730	204,811,010	418,284,740	496,667,460	15,214,540
Marshall.....	3,076,440	27,879,365	1,922,440	4,070,380	5,992,820	33,872,185	1,173,270
Martin.....	624,905	3,371,650	202,070	594,725	796,795	4,168,445	275,705
Miami.....	3,273,230	30,218,900	4,652,750	5,867,805	10,520,555	40,739,455	1,350,935
Monroe.....	1,570,980	7,833,795	2,846,600	5,112,170	7,958,770	15,792,565	1,144,155
Montgomery.....	3,445,165	46,250,740	3,357,885	5,366,885	8,724,770	54,975,510	1,703,075
Morgan.....	1,841,760	15,963,810	1,260,690	2,532,320	3,793,010	19,746,820	887,610
Newton.....	1,903,790	29,719,170	757,240	2,137,350	2,894,500	32,613,760	324,500
Noble.....	3,642,315	22,508,230	1,810,845	4,301,445	6,112,280	28,630,520	956,515
Ohio.....	504,930	2,671,770	146,800	485,980	632,780	3,304,550	132,940
Orange.....	2,388,990	8,331,670	609,225	1,341,990	1,951,215	10,282,855	473,110
Owen.....	1,537,540	9,174,460	414,620	1,970,460	1,385,080	10,559,540	512,400
Parke.....	4,087,845	20,553,185	.....	.....	.....	20,553,185	600,250
Perry.....	1,087,620	4,090,430	650,190	1,857,030	2,507,220	6,597,650	261,050
Pike.....	1,520,735	10,217,900	392,140	1,099,690	1,491,830	11,709,730	482,385
Porter.....	20,021,290	1,916,770	3,809,870	5,726,640	5,726,640	25,747,930	896,620
Posey.....	2,762,515	25,020,095	1,698,425	2,871,415	4,569,840	29,589,935	674,905
Pulaski.....	1,996,740	18,385,625	629,845	1,238,745	1,888,590	20,274,215	810,125
Pulnam.....	2,268,315	21,483,530	1,168,990	2,730,390	3,949,290	25,432,820	952,950
Randolph.....	4,295,200	39,493,570	2,600,920	5,273,580	7,924,450	47,828,020	1,502,980
Ripley.....	9,754,260	11,848,235	566,280	1,838,380	2,404,600	14,252,895	832,980
Rush.....	5,718,325	46,786,455	1,593,675	3,867,775	5,437,450	52,223,905	782,710
Scott.....	786,505	4,812,390	172,925	528,270	701,195	5,513,585	476,480
Shelby.....	5,311,845	45,190,490	3,369,080	5,060,995	8,430,075	53,620,565	1,645,380
Spencer.....	2,053,080	13,002,690	467,880	1,127,250	1,595,130	14,597,820	581,700
Starke.....	2,736,355	12,140,690	.....	.....	.....	12,140,690	727,335
Steuben.....	2,581,420	14,126,630	1,013,570	2,864,005	3,877,575	18,004,205	757,425

ASSESSED VALUATION, STATE OF INDIANA, FOR THE YEAR 1921—Continued.

COUNTIES	Value of Lands	Value of Improvements	Value of Lands and Improvements	Value of Lots	Value of Improvements	Value of Lots and Improvements	Total Value of Real Estate	Mortgage Exemptions (To be Deducted)
St. Joseph.....	\$22,020,720	\$4,084,290	\$26,055,010	\$41,289,580	\$47,197,210	\$88,486,790	\$114,541,800	\$3,326,560
Sullivan.....	19,621,155	3,112,275	22,733,430	1,719,360	3,577,325	5,296,685	28,030,115	1,059,785
Switzerland.....	4,117,720	1,024,500	5,142,220	169,300	540,970	710,270	5,852,490	285,860
Tippecanoe.....	48,477,560	4,861,375	53,338,935	8,503,420	14,043,660	23,447,080	76,786,015	1,532,545
Tipton.....	30,435,180	2,470,855	32,906,035	1,113,370	2,147,985	3,261,355	36,167,390	910,730
Union.....	9,846,090	1,721,740	11,567,830	338,410	1,034,530	1,372,940	12,940,770	157,050
Vanderburgh.....	14,748,900	3,702,070	18,450,970	33,032,150	39,872,680	72,904,830	91,355,800	2,119,950
Vermillion.....	16,959,880	1,970,025	18,929,905	2,666,880	6,078,460	8,745,340	27,675,245	809,195
Vigo.....	22,066,690	5,510,770	27,577,460	27,663,150	31,736,780	59,399,930	86,977,390	4,492,560
Wabash.....	28,883,755	4,155,800	33,039,555	2,939,375	6,414,500	9,353,875	42,393,430	1,225,785
Warren.....	32,788,500	1,414,710	34,203,210	234,890	637,910	872,760	35,072,970	408,330
Warrick.....	10,926,195	1,834,425	12,760,620	858,635	1,832,755	2,691,390	15,452,010	808,790
Washington.....	8,220,030	1,601,655	9,821,685	960,170	1,900,155	2,860,325	12,682,010	632,380
Wayne.....	25,780,350	7,075,010	32,855,360	7,888,260	15,309,690	23,197,950	56,053,310	1,743,160
Wells.....	28,811,100	4,423,540	33,234,640	1,185,600	3,114,010	4,299,610	37,534,250	1,208,410
White.....	37,508,410	2,682,200	40,190,610	1,153,710	3,223,480	4,377,190	44,567,800	942,020
Whitley.....	18,766,320	3,606,170	22,372,490	1,029,880	2,647,240	3,677,120	26,049,610	941,040
Totals.....	\$2,055,259,620	\$431,345,920	\$2,486,605,540	\$557,369,365	\$735,713,855	\$1,293,083,240	\$3,779,688,780	\$119,540,745

ASSESSED VALUATION, STATE OF INDIANA FOR THE YEAR 1921—Continued.

COUNTIES	Net Value of Real Estate	Value of Steam and Electric Railroad Property	Value of Tele- graph and Telephone Property	Value of Express Company Property)	Value of Personal and Corporation Property	Soldiers Exemptions (Deducted from Personal Property)	Total Net Value of Taxables	Polls
Adams.....	\$33,572,880	\$3,976,800	\$275,080	\$5,580	\$12,036,070	.....	\$49,866,420	\$3,286
Allen.....	141,403,280	22,197,710	1,400,340	26,780	62,984,430	.....	228,012,540	20,214
Bartholomew.....	35,616,065	4,822,860	298,870	12,290	11,155,915	.....	51,906,000	3,767
Benton.....	55,278,985	5,222,841	405,575	8,410	7,897,086	.....	68,812,897	1,780
Blackford.....	17,168,270	3,373,095	94,960	2,790	8,123,583	.....	28,759,700	2,257
Boone.....	47,290,860	7,260,790	510,515	7,215	12,975,000	\$80,090	67,964,290	4,068
Brown.....	2,373,370	3,397,290	13,410	1,140	972,360	.....	3,757,570	936
Carroll.....	39,153,025	4,672,097	266,257	6,035	7,815,036	.....	51,912,450	2,842
Cass.....	43,943,980	13,945,665	737,380	10,810	13,383,900	10,880	77,410,855	6,384
Clark.....	16,052,505	7,907,340	436,745	7,230	5,906,495	.....	30,310,315	4,380
Clay.....	17,791,380	5,768,560	369,600	7,915	8,381,710	123,850	32,195,215	5,019
Clinton.....	57,682,320	7,448,840	563,995	12,375	13,920,595	.....	79,628,125	4,854
Crawford.....	2,943,225	974,650	81,365	2,565	1,670,710	.....	5,672,515	1,723
Daviess.....	23,140,265	2,680,880	377,565	7,185	8,348,615	.....	34,524,510	4,269
Dearborn.....	12,845,010	4,422,565	199,750	5,285	7,035,805	.....	24,508,415	3,067
Dekalb.....	28,249,320	11,948,585	745,715	10,810	11,134,440	.....	52,088,870	4,299
Decatur.....	27,990,390	3,888,180	308,005	6,280	8,122,800	.....	40,316,355	2,974
Delaware.....	60,711,485	7,863,930	851,325	10,785	34,342,015	.....	109,779,940	9,387
Dubois.....	11,056,510	1,745,480	194,015	5,565	5,695,210	.....	18,696,780	3,192
Elkhart.....	65,920,770	14,716,875	1,046,992	15,426	29,362,472	.....	111,062,535	9,585
Fayette.....	20,518,360	1,691,590	186,682	4,230	11,368,560	.....	33,769,422	3,328
Floyd.....	13,510,020	3,090,200	604,800	2,955	7,567,595	.....	24,775,570	3,760
Fountain.....	34,895,670	4,312,770	245,650	9,000	7,238,180	.....	46,701,270	3,166
Franklin.....	15,115,280	1,260,010	92,840	3,795	5,499,870	.....	21,971,795	2,450
Fulton.....	25,555,460	5,836,370	260,080	7,590	8,700,940	.....	40,360,440	2,559
Gibson.....	38,579,450	5,131,410	418,190	247,225	9,983,570	.....	52,409,845	4,699
Grant.....	54,231,570	9,709,600	664,220	12,240	25,707,700	.....	90,325,420	7,646
Greene.....	24,896,750	5,195,725	239,560	14,060	10,984,280	.....	41,330,375	6,155
Hamilton.....	39,397,284	3,203,284	495,767	6,845	12,497,919	.....	55,600,645	4,143
Hancock.....	30,434,230	6,725,010	476,160	6,150	10,335,880	.....	53,977,430	3,195
Harrison.....	6,689,890	740,190	144,605	17,300	4,000,875	.....	11,592,860	2,814
Hendricks.....	45,982,015	968,585	407,775	7,895	9,332,965	.....	56,699,235	3,400
Henry.....	42,061,370	9,889,420	576,820	10,820	15,416,130	.....	67,954,560	5,372
Howard.....	60,792,850	5,028,850	304,495	5,185	29,950,505	.....	96,081,885	7,801
Huntington.....	42,399,380	6,579,820	1,047,320	984,180	14,980,550	.....	65,991,250	5,185

ASSESSED VALUATION, STATE OF INDIANA FOR THE YEAR 1921—Continued.

COUNTIES	Net Value of Real Estate	Value of Steam and Electric Railroad Property	Value of Tele- graph and Telephone Property	Value of Express Company Property	Value of Personal and Corporation Property	Soldiers Exemptions (Deducted from Personal Property)	Total Net Value of Taxables	Polls
Jackson.....	\$27,020,600	\$5,936,240	\$230,300	\$8,120	\$1,110,270	.....	\$35,214,530	\$4,001
Jasper.....	32,412,480	3,752,690	166,360	9,420	6,188,510	.....	42,529,460	2,317
Jay.....	31,844,780	3,973,845	302,885	5,270	11,192,425	.....	47,319,205	3,738
Jefferson.....	11,588,020	1,030,885	92,945	2,510	5,871,550	\$102,210	18,492,700	3,098
Jennings.....	10,883,985	3,431,670	150,695	6,790	3,301,570	.....	17,774,710	1,966
Johnson.....	36,663,070	4,258,635	402,580	6,205	9,875,005	.....	51,205,495	3,292
Knox.....	48,617,860	5,739,879	623,994	10,303	24,692,074	.....	79,684,110	7,609
Kosciusko.....	39,343,730	11,781,530	515,320	9,185	13,795,545	.....	65,445,310	4,329
LaGrange.....	21,922,705	2,219,065	302,160	30,220	8,478,103	.....	32,948,253	2,206
Lake.....	218,573,610	65,512,745	3,604,605	29,500	90,916,880	.....	378,637,340	22,947
LaPorte.....	49,426,360	28,751,861	1,368,663	27,606	19,195,630	.....	98,770,120	8,545
Lawrence.....	11,288,260	.....	.....	.....	14,625,890	.....	25,914,150	4,016
Madison.....	69,687,775	9,414,670	945,345	10,290	28,354,495	.....	108,412,575	11,777
Marion.....	480,452,920	4,549,490	9,226,890	99,400	200,169,000	.....	694,497,700	61,558
Marshall.....	32,698,915	13,552,585	566,190	18,910	10,497,556	.....	57,334,156	3,867
Martin.....	3,892,740	1,792,710	66,655	3,140	2,145,185	58,550	7,841,880	1,683
Miami.....	39,388,520	8,623,435	509,815	10,170	10,554,095	.....	59,086,035	4,841
Monroe.....	14,648,410	3,489,010	295,615	7,067,355	25,436,460	.....	25,436,460	3,571
Montgomery.....	53,272,435	6,776,035	483,130	12,715	16,004,185	.....	76,548,500	4,683
Morgan.....	18,859,210	2,531,605	293,323	4,309	7,428,787	.....	29,083,234	3,471
Newton.....	32,289,260	4,915,445	174,156	9,609	6,106,060	.....	43,494,530	1,728
Noble.....	27,064,005	11,680,935	716,515	7,757	12,566,360	.....	52,635,572	3,637
Ohio.....	3,171,610	.....	.....	.....	1,149,950	22,785	4,298,825	690
Orange.....	9,809,775	1,681,875	90,740	3,410	4,926,705	.....	16,512,505	2,635
Owen.....	10,047,140	2,915,320	68,040	139,960	3,444,640	4,310	16,610,790	1,868
Parke.....	19,952,935	3,649,160	167,890	7,605	7,272,940	.....	31,050,530	2,885
Perry.....	6,336,600	160,610	76,040	880	4,399,850	.....	10,973,930	2,524
Pike.....	11,227,345	760,225	130,640	3,030	7,028,860	.....	19,150,100	3,077
Porter.....	24,851,310	27,918,070	1,078,270	17,500	8,511,160	.....	62,376,310	3,397
Posey.....	28,915,030	3,025,465	213,633	22,508	6,445,857	.....	38,622,493	2,758
Pulaski.....	19,464,090	4,972,036	338,980	5,633	4,889,899	.....	29,670,635	1,964
Putnam.....	24,479,870	8,682,820	235,420	8,895	9,345,010	.....	42,772,015	3,282
Randolph.....	45,825,040	8,998,960	431,370	8,730	13,831,530	.....	69,095,630	4,571
Ripley.....	13,419,915	2,681,375	129,785	3,030	5,612,985	.....	21,847,090	3,060
Rush.....	51,441,195	3,331,165	288,840	7,705	11,196,190	.....	66,245,095	3,106

Scott.....	5,037,105	2,162,905	88,745	2,270	1,980,870	.....	9,271,895	1,161
Shelby.....	51,974,985	4,402,370	361,220	6,535	14,164,410	.....	70,609,520	4,434
Spencer.....	14,016,120	1,126,240	213,480	6,330	4,360,440	.....	19,722,010	2,886
Starkie.....	11,413,355	10,947,725	363,935	9,840	3,724,830	.....	26,459,085	1,453
Steuben.....	17,246,780	1,835,990	204,545	3,945	5,525,175	.....	24,816,435	1,807
St. Joseph.....	111,215,240	17,823,100	2,391,700	14,230	76,519,680	.....	207,964,070	20,886
Sullivan.....	26,970,330	4,596,265	356,825	7,060	10,995,795	.....	42,826,275	5,363
Switzerland.....	5,566,630	.....	51,750	.....	1,868,890	.....	7,487,270	1,427
Tippecanoe.....	75,253,470	10,917,305	973,620	11,805	19,827,335	.....	106,983,535	7,190
Tipton.....	35,256,660	3,689,390	260,485	4,530	8,449,335	.....	47,660,400	2,755
Union.....	12,783,720	1,316,660	123,230	3,340	3,847,140	.....	18,074,090	994
Vanderburgh.....	89,235,850	8,183,720	1,642,880	15,990	48,460,590	.....	147,539,030	18,354
Vermillion.....	26,866,050	7,860,910	298,315	7,015	9,779,505	.....	44,811,795	4,891
Vigo.....	82,484,840	15,966,740	1,702,250	18,340	37,605,340	.....	137,777,510	17,322
Wabash.....	41,167,645	79,765	.....	1,330	22,289,580	119,930	63,418,390	4,367
Warren.....	34,664,640	4,266,905	102,585	6,060	5,375,270	.....	44,416,360	1,619
Warrick.....	14,643,290	1,068,410	203,025	4,080	5,795,730	.....	21,714,405	3,239
Washington.....	12,049,630	1,927,526	108,747	2,771	4,815,147	.....	18,903,821	2,620
Wayne.....	54,310,150	10,101,917	882,993	11,069	22,750,359	.....	88,056,488	8,204
Wells.....	36,325,840	4,188,195	292,090	5,455	11,105,800	.....	51,917,380	3,224
White.....	43,625,780	3,956,800	254,300	6,940	8,466,080	.....	56,309,900	2,854
Whitley.....	25,108,570	6,853,340	365,560	4,090	8,206,230	.....	40,537,790	2,792
Totals.....	\$3,600,148,035	\$600,337,241	\$50,719,162	\$2,221,201	\$1,388,935,505	\$522,555	\$5,701,888,589	488,465

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921

NAME OF COUNTY	STATE TAXES								
	State Tax	Benevolent	State School	Educational	Vocational Education	State Highway	Soldier's Memoria	Agricultural Experiment Station	State Teachers' Pension
Adams.....	\$6,629 64	\$29,919 78	\$36,549 42	\$24,933 16	\$2,493 31	\$16,455 87	\$2,991 98	\$1,994 66	\$997 30
Allen.....	32,908 25	136,807 52	169,715 81	114,006 33	11,400 62	75,244 11	13,680 75	9,120 49	4,560 23
Bartholomew.....	7,074 11	31,143 73	38,217 81	25,953 02	2,595 34	17,129 01	3,114 39	2,076 32	1,038 13
Benton.....	7,771 29	41,287 72	49,059 03	34,406 44	3,440 64	22,708 26	4,128 77	2,752 50	1,376 23
Blackford.....	4,004 47	17,255 82	21,260 28	14,379 84	1,437 99	9,490 70	1,725 58	1,150 40	575 20
Boone.....	8,830 43	40,778 58	49,609 02	33,982 18	3,398 19	22,428 22	4,077 86	2,718 54	1,359 29
Brown.....	843 76	2,254 55	3,098 29	1,878 80	187 89	1,240 00	225 46	150 30	75 17
Carroll.....	6,612 24	31,147 47	37,759 72	25,956 22	2,595 62	17,131 11	3,114 75	2,076 50	1,038 25
Cass.....	10,933 09	46,446 51	57,379 60	38,705 43	3,870 54	23,545 58	4,644 65	3,096 44	1,548 22
Clark.....	5,221 08	18,186 64	23,407 71	15,155 49	1,515 57	10,002 63	1,818 67	1,212 43	606 24
Clay.....	5,729 03	19,317 14	25,046 15	16,097 61	1,609 76	10,624 41	1,931 74	1,287 81	643 91
Clinton.....	10,389 81	47,776 88	58,166 70	39,814 06	3,981 43	26,277 28	4,777 75	3,185 14	1,592 59
Crawford.....	1,428 75	3,403 51	4,832 26	2,836 24	283 64	1,871 92	340 37	226 91	113 45
Daviess.....	5,586 95	20,714 71	26,301 66	17,262 25	1,726 22	11,393 09	2,071 47	1,380 98	690 49
Dearborn.....	3,984 33	14,705 05	18,689 39	12,254 20	1,225 41	8,087 78	1,470 50	980 32	490 16
Decalb.....	7,358 40	31,253 32	38,611 67	26,044 47	2,604 43	17,189 24	3,125 34	2,083 58	1,041 75
Decatur.....	5,518 64	24,189 82	29,708 48	20,158 18	2,015 82	13,304 42	2,418 97	1,612 68	806 32
Delaware.....	15,671 45	65,867 76	81,539 19	54,889 78	5,488 97	36,227 25	6,586 77	4,391 18	2,195 59
Dubuois.....	3,465 71	11,218 11	14,683 80	9,348 45	934 86	6,169 96	1,121 80	747 89	373 94
Elkhart.....	15,898 73	66,637 52	82,536 26	55,531 26	5,553 11	36,650 64	6,663 75	4,442 49	2,221 26
Fayette.....	5,040 94	20,261 66	25,302 60	16,884 71	1,688 46	11,143 94	2,026 18	1,350 78	675 38
Floyd.....	4,357 56	14,865 35	19,222 91	12,387 77	1,238 77	8,175 93	1,486 53	991 03	495 51
Fountain.....	6,253 13	28,020 79	34,273 98	23,350 71	2,335 06	15,411 47	2,802 10	1,868 02	934 04
Franklin.....	3,422 17	13,183 07	16,605 24	10,935 89	1,098 60	7,250 69	1,318 30	878 87	439 43
Fulton.....	5,315 55	24,216 24	29,531 81	20,180 25	2,018 01	13,318 95	2,421 62	1,614 42	807 21
Gibson.....	7,590 47	31,445 93	39,036 39	26,204 90	2,620 46	17,295 24	3,144 60	2,096 39	1,048 21
Grant.....	12,855 57	54,195 23	67,050 80	45,162 74	4,516 27	29,807 38	5,419 52	3,612 99	1,806 51
Greene.....	7,210 54	24,798 18	32,008 76	20,665 14	2,066 51	13,639 92	2,479 80	1,683 21	826 62
Hamilton.....	7,631 56	33,360 39	40,991 94	27,800 39	2,780 04	18,348 21	3,336 01	2,223 81	1,112 08
Hancock.....	6,995 24	32,386 45	39,381 69	26,988 71	2,698 89	17,812 56	3,238 62	2,199 09	1,079 54

Harrison.....	2,566 26	6,955 62	9,521 89	5,796 39	579 64	3,825 63	695 53	463 71	231 97
Hendricks.....	7,399 94	34,019 32	41,389 45	28,349 64	2,834 96	18,710 76	3,401 98	2,267 85	1,134 00
Henry.....	9,481 46	40,772 74	50,254 19	33,977 28	3,397 73	22,435 00	4,077 27	2,718 18	1,339 09
Howard.....	13,508 70	57,649 15	71,157 84	48,040 94	4,804 09	31,707 01	3,804 91	3,843 27	1,921 63
Huntington.....	9,191 60	39,594 76	48,788 37	32,995 65	3,299 56	21,707 12	3,939 45	2,639 64	1,319 79
Jackson.....	5,521 94	21,128 66	26,650 62	17,607 24	1,760 72	11,620 78	2,112 86	1,408 57	704 26
Jasper.....	5,411 45	26,517 69	30,929 13	21,264 74	2,126 49	14,034 71	2,551 76	1,701 17	860 58
Jay.....	6,600 93	28,391 51	34,992 43	23,659 59	2,365 96	15,615 36	2,839 14	1,892 74	946 39
Jefferson.....	2,760 29	11,095 68	14,493 95	9,246 40	924 63	6,102 62	1,109 55	739 71	369 87
Jennings.....	2,380 49	10,664 62	13,425 30	8,887 36	888 72	5,865 65	1,066 46	710 98	355 50
Johnson.....	6,766 54	30,723 29	37,439 84	25,602 74	2,560 27	16,897 80	3,072 32	2,048 21	1,024 10
Knox.....	11,772 89	47,810 47	59,583 37	39,842 07	3,984 51	26,295 77	4,781 04	3,187 37	1,593 67
Kosciusko.....	8,709 04	39,267 18	47,976 23	32,732 64	3,272 24	21,566 94	3,926 74	2,617 82	1,308 80
Lagrange.....	4,397 83	19,769 02	24,166 84	16,474 19	1,647 40	10,872 96	1,976 90	1,317 85	688 96
Lake.....	49,337 74	227,185 30	276,523 07	189,321 10	18,932 11	124,951 94	22,718 55	15,143 94	7,572 87
LaPorte.....	14,149 51	59,262 07	73,411 58	49,335 06	4,938 51	32,594 14	5,926 21	3,950 80	1,975 40
Lawrence.....	4,589 39	15,548 44	20,147 86	12,957 04	1,295 72	8,551 63	1,554 86	1,036 56	518 28
Madison.....	16,729 75	65,047 53	81,777 32	54,206 29	5,420 63	35,776 16	6,504 73	4,336 48	2,168 26
Marion.....	100,228 80	416,698 62	516,927 39	347,248 88	34,724 90	229,184 23	41,669 87	27,779 92	13,889 96
Marshall.....	7,669 02	34,401 23	42,063 96	28,667 48	2,866 76	18,920 44	3,440 72	2,293 72	1,146 91
Martin.....	1,625 71	4,705 18	6,330 89	3,920 98	392 11	2,537 85	470 54	313 72	156 87
Miami.....	8,329 09	35,451 62	43,780 73	29,543 00	2,954 32	19,498 37	3,545 14	2,363 42	1,131 75
Monroe.....	4,329 11	15,261 85	19,590 25	12,718 17	1,271 78	8,394 03	1,526 17	1,017 24	508 71
Montgomery.....	9,996 35	45,929 10	55,925 45	38,274 25	3,827 42	25,261 00	4,592 91	3,061 64	1,530 97
Morgan.....	4,638 74	17,419 81	22,068 64	14,516 55	1,451 60	9,580 89	1,741 91	1,161 20	580 66
Newton.....	5,213 45	26,096 72	31,310 17	21,747 27	2,174 75	14,353 20	2,609 67	1,739 78	869 89
Noble.....	7,082 06	31,681 36	38,663 43	26,317 80	2,631 79	17,369 72	3,158 13	2,105 40	1,082 70
Ohio.....	7,774 88	3,354 17	2,149 41	2,149 41	214 83	1,418 61	237 93	171 94	85 98
Orange.....	2,968 75	9,807 48	12,876 26	8,286 28	825 02	5,449 14	990 77	660 50	330 24
Owen.....	2,395 07	9,966 47	12,561 57	8,305 40	830 55	5,481 55	996 64	664 46	332 18
Parke.....	4,547 58	18,630 31	23,177 88	15,525 28	1,552 53	10,246 67	1,863 03	1,242 04	621 00
Perry.....	2,359 38	6,584 22	8,943 67	5,456 85	548 66	3,621 31	658 42	438 96	219 45
Pike.....	3,453 95	11,490 66	14,942 20	9,575 07	957 43	6,319 49	1,148 89	765 73	382 93
Porter.....	7,936 13	37,425 81	45,361 94	31,188 17	3,118 80	20,584 21	3,742 57	2,247 02	1,247 52
Posey.....	5,241 25	23,173 49	28,414 75	19,311 25	1,931 12	12,745 42	2,317 35	1,544 90	772 43
Pulaski.....	3,949 06	17,802 38	21,751 44	14,835 30	1,483 49	9,791 32	1,780 24	1,186 82	593 45
Putnam.....	5,903 14	25,663 16	31,566 39	21,385 98	2,138 57	14,114 73	2,566 30	1,710 86	855 42
Randolph.....	9,195 07	41,457 36	50,682 44	34,547 85	3,545 50	22,801 54	4,145 75	2,763 82	1,381 91
Ripley.....	3,714 99	13,109 88	16,824 83	10,924 90	1,092 50	7,210 43	1,310 98	873 98	437 00
Rush.....	8,177 54	39,747 09	47,924 61	33,132 58	3,312 26	21,860 90	3,974 71	2,649 80	1,324 91

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921.—Continued.

NAME OF COUNTY	STATE TAXES								
	State Tax	Benevolent	State School	Educational	Vocational Education	State Highway	Soldiers' Memorial	Agricultural Experiment Station	State Teachers' Pension
Scott.....	\$1,507 68	\$5,563 14	\$7,070 82	\$4,635 94	\$463 60	\$3,059 73	\$556 32	\$370 87	\$185 44
Shelby.....	9,307 94	42,545 72	51,853 65	35,454 74	3,545 48	23,400 14	4,254 58	2,836 39	1,418 18
Spencer.....	3,415 23	11,833 53	15,248 81	9,861 27	986 08	6,500 46	1,183 34	788 90	394 44
Starke.....	3,372 31	15,874 74	19,247 01	13,228 94	1,322 89	8,731 09	1,587 48	1,058 31	529 15
Steuben.....	3,385 14	14,889 85	18,275 00	12,408 23	1,240 82	8,189 43	1,488 98	992 65	496 31
St. Joseph.....	31,239 42	124,778 46	156,017 85	103,982 06	10,398 19	68,628 17	12,477 84	8,318 53	4,159 21
Sullivan.....	6,974 25	25,755 16	32,729 20	21,462 64	2,146 26	14,165 33	2,575 53	1,717 03	858 50
Switzerland.....	1,462 21	4,492 34	5,954 56	3,743 63	374 33	2,470 74	449 21	299 46	149 71
Tippecanoe.....	14,292 83	64,190 13	78,483 97	53,491 80	5,349 19	35,304 57	6,418 99	4,279 35	2,139 70
Tipton.....	6,143 58	28,596 50	34,740 10	23,850 41	2,383 04	15,728 10	2,589 66	1,966 43	953 23
Union.....	2,304 39	10,844 40	13,148 82	9,037 00	993 70	5,994 43	1,034 43	722 96	361 49
Vanderburgh.....	23,930 85	88,523 44	112,454 34	73,769 50	7,376 93	48,687 87	8,852 34	5,901 64	2,950 78
Vermillion.....	6,926 66	26,887 07	33,813 74	22,405 92	2,240 59	14,787 89	2,688 71	1,792 46	896 24
Vigo.....	22,438 75	82,666 52	105,105 24	68,888 76	6,888 87	45,466 56	8,266 64	5,511 12	2,755 55
Walsh.....	8,525 29	38,051 06	46,576 34	31,709 20	3,170 92	20,928 05	3,805 08	2,536 89	1,268 39
Warren.....	5,252 10	26,640 59	31,991 94	22,298 40	2,220 82	14,658 67	2,664 94	1,776 37	888 17
Warrick.....	3,790 98	13,028 65	16,819 63	10,557 27	1,055 73	7,165 78	1,302 76	868 54	434 28
Washington.....	3,290 38	11,342 28	14,542 71	9,451 91	945 21	6,238 25	1,134 22	736 15	378 05
Wayne.....	12,907 67	52,833 88	65,741 53	44,028 23	4,402 83	29,058 64	5,283 38	3,522 27	1,761 10
Wells.....	6,803 73	31,130 44	37,984 17	25,968 70	2,595 87	17,132 74	3,115 04	2,076 69	1,038 33
White.....	7,057 96	33,785 92	40,843 89	28,155 00	2,815 51	18,582 31	3,378 99	2,252 42	1,126 19
Whitley.....	5,449 78	24,322 68	29,772 45	20,268 90	2,026 89	13,377 47	2,432 27	1,621 51	810 76
Totals.....	\$814,424 89	\$3,421,136 87	\$4,235,557 48	\$2,850,948 13	\$285,094 46	\$1,881,626 32	\$342,113 79	\$228,075 02	\$114,037 80

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921.—Continued.

NAME OF COUNTY		COUNTY TAXES				TOWNSHIP TAXES				
		County	Gravel Road Repair	Road Construction Bonds and Interest	Other Funds	Township	Tuition	Special School	Road	Poor	Other Funds
Adams Allen Bartholomew Benton Blackford	\$109,705 80	\$114,692 48	\$210,738 86	.....	\$19,021 00	\$137,475 69	\$157,920 11	\$17,558 80	\$3,502 22	\$502 07
	355,392 51	193,810 64	187,589 17	3,269 05 48	37,430 19	834,300 77	340,743 97	127,639 65	8,821 35	33,198 54
	69,750 23	69,554 33	111,280 00	7,260 89	15,712 46	152,927 55	135,431 22	23,511 56	5,383 57	4,808 87
	61,931 64	61,931 62	86,048 64	.....	18,679 75	182,643 25	192,070 55	26,098 36	2,838 12	12,207 88
	87,407 61	40,263 57	55,997 49	18,118 60	10,341 00	581,861 08	73,259 77	12,977 32	4,227 94	26,595 25
	163,449 19	101,946 48	114,231 98	49,273 10	24,284 93	162,183 70	186,952 96	32,604 19	13,039 73	4,198 75
	46,026 84	1,878 80	26,741 17	.....	4,195 30	23,032 66	18,134 14	10,392 78	13,650 03	3,178 23
	111,838 16	77,868 67	142,133 27	20,764 98	17,812 85	123,939 86	145,071 07	22,144 22	1,941 92	1,672 88
	161,205 71	77,410 85	181,128 57	35,342 10	25,560 82	291,980 97	241,024 68	39,985 75	15,802 68	56,863 73
	65,843 09	60,622 01	74,264 79	6,062 20	15,383 67	146,143 28	103,052 91	32,856 53	3,713 55	18,464 99
Clay Clinton Crawford Daviess Dearborn	194,970 78	112,683 27	143,486 82	.....	17,411 59	187,879 51	160,921 20	17,676 08	4,394 72	694 52
	97,980 77	119,442 19	256,452 37	48,573 11	22,614 74	177,788 80	215,083 14	6,619 62	8,440 22	14,088 67
	39,628 12	6,239 76	142,933 27	20,764 98	7,792 14	36,773 00	25,982 22	18,439 80	1,133 67	1,632 17
	112,612 94	34,524 50	79,918 31	.....	18,145 52	191,636 27	125,613 56	23,900 98	4,139 17	10,763 64
	87,312 98	19,606 74	61,859 96	24,508 42	12,828 50	103,878 25	81,444 18	40,400 50	3,155 66	2,070 65
	234,399 88	.....	64,494 34	10,417 76	33,060 45	196,044 38	134,891 70	83,352 11	7,835 85	4,248 69
	106,309 58	120,949 10	155,877 11	10,079 09	12,047 24	101,281 12	133,639 12	25,734 44	5,014 89	24,704 64
	257,186 43	131,735 44	220,088 43	32,933 86	31,019 65	422,111 67	495,418 01	52,197 01	22,102 75	18,218 52
	68,631 01	28,045 27	50,007 96	13,087 81	19,859 78	103,324 31	55,981 28	32,766 58	1,183 18	1,976 97
	Dubois	182,492 53	22,212 51	126,837 02	24,678 71	427,251 02	332,177 70	55,595 14	6,941 84	17,764 00
Elkhart Fayette Floyd Fountain Franklin Fulton	70,866 84	30,392 48	46,768 89	.....	9,450 29	105,248 74	109,532 38	29,927 85	2,941 66	14,127 87
	91,669 62	12,387 76	104,387 13	44,596 04	13,128 94	137,721 28	73,271 09	14,073 41	2,413 69	1,242 05
	88,732 64	46,701 37	124,351 57	37,361 10	18,959 03	132,642 63	151,373 28	30,249 30	10,022 66	22,924 56
	85,690 00	32,957 69	56,898 70	.....	14,703 95	72,072 27	75,469 61	35,031 55	1,330 27	7,068 26
	72,648 79	48,432 52	267,951 70	.....	17,001 99	135,639 92	132,879 64	45,891 01	2,656 58	30,005 83
	130,482 66	99,578 71	214,251 63	26,204 92	21,507 12	217,015 88	182,338 27	47,438 25	2,858 73	62,346 11
	260,557 18	162,585 75	180,650 02	9,032 58	34,023 66	399,593 67	257,243 73	26,563 81	26,563 76	19,092 67
	19,480 96	82,680 76	185,405 35	.....	21,128 40	167,384 31	165,594 23	36,044 84	3,843 91	36,387 35
	87,544 55	111,201 72	152,518 14	13,900 18	16,429 73	193,997 15	196,683 26	15,856 55	7,064 19	9,406 62
	67,967 93	64,772 93	111,325 40	10,795 49	17,358 96	168,105 03	158,919 64	30,692 11	3,211 69	51,834 32

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921—Continued.

NAME OF COUNTY	COUNTY TAXES				TOWNSHIP TAXES					
	County	Gravel Road Repair	Road Construction Bonds and Interest	Other Funds	Township	Tuition	Special School	Road	Poor	Other Funds
Harrison.....	\$49,183 96	23,185 47	\$68,998 93	\$3,477 85	\$12,218 43	\$54,359 00	\$61,924 03	\$21,468 85	\$2,058 27	\$10,115 27
Hendricks.....	74,274 00	113,398 47	140,809 79	42,524 42	17,276 18	188,014 15	172,913 30	43,868 67	1,475 01	40,519 14
Henry.....	108,015 57	78,147 74	10,804 01	13,590 93	24,268 95	221,306 69	244,803 14	59,263 52	7,923 63	12,048 04
Howard.....	148,123 35	144,123 35	159,805 72	.....	24,316 12	274,513 00	388,416 07	17,133 16	57,113 37	33,484 83
Huntington.....	134,575 00	81,829 15	109,439 51	30,355 96	17,638 48	234,014 02	223,886 24	48,806 29	3,904 36	11,134 57
Jackson.....	121,729 68	70,428 92	71,187 86	.....	20,585 04	154,432 12	135,139 04	15,064 03	7,909 05	12,698 34
Jasper.....	76,553 02	51,035 32	180,045 45	12,758 83	32,262 28	110,676 23	110,892 87	23,767 98	1,357 37	24,064 02
Jay.....	110,703 11	75,710 62	143,809 45	.....	18,805 77	138,020 34	107,972 32	36,046 98	6,016 28	1,237 19
Jefferson.....	60,425 70	36,060 96	74,862 15	18,122 95	12,013 76	111,483 19	78,747 47	19,507 10	1,293 08	11,560 38
Jennings.....	63,194 48	35,549 42	47,130 92	7,109 88	11,870 89	91,675 56	68,236 69	24,253 56	1,731 23	3,577 63
Johnson.....	93,815 86	92,169 88	122,055 56	.....	18,372 04	154,105 69	169,315 26	24,699 74	7,584 21	9,328 22
Knox.....	207,178 72	70,684 09	244,579 21	31,873 65	26,887 52	383,368 43	363,944 03	27,898 22	8,095 65	8,386 09
Kosciusko.....	143,979 65	13,080 01	198,870 87	.....	25,561 23	232,813 40	246,732 63	90,253 79	10,717 09	28,434 46
Lagrange.....	32,717 39	6,589 68	26,368 70	.....	15,294 35	133,413 06	125,928 21	55,839 16	2,538 03	13,252 72
Lake.....	946,605 54	227,185 30	663,717 79	.....	27,397 30	1,349,938 19	996,281 71	56,283 42	149,310 23	266,865 72
LaPorte.....	201,812 74	98,770 12	147,639 38	113,585 63	38,644 27	390,541 86	306,066 40	50,461 65	18,170 74	20,162 64
Lawrence.....	68,800 71	103,656 89	101,908 73	41,462 52	17,486 44	133,760 35	172,634 57	8,899 09	3,782 28	2,110 76
Madison.....	287,761 19	130,095 10	409,397 53	32,523 81	36,136 72	397,970 76	409,482 71	25,799 18	10,874 81	41,153 65
Marion.....	1,176,700 25	277,799 08	621,474 92	374,621 17	83,866 49	2,625,577 83	2,571,127 59	7,706 11	4,123 49	.....
Marshall.....	120,399 96	40,133 86	165,130 32	.....	27,233 22	135,903 63	208,055 94	97,696 94	4,203 21	4,254 31
Martin.....	40,892 51	15,683 82	30,985 08	6,273 59	11,753 43	57,566 43	40,164 13	14,794 99	1,640 15	3,295 00
Miami.....	150,135 58	76,811 84	134,076 67	.....	33,772 65	218,498 16	222,038 46	41,123 90	1,829 06	36,489 62
Monroe.....	110,407 79	38,153 95	105,437 30	.....	29,307 49	196,648 65	118,747 69	15,856 31	3,481 10	19,893 38
Montgomery.....	86,544 85	61,238 80	175,779 91	.....	31,214 97	299,214 19	310,047 01	37,432 90	4,321 00	49,449 46
Morgan.....	70,247 59	29,033 19	149,428 14	20,923 04	20,930 28	146,628 71	139,758 18	30,412 80	6,251 11	11,462 48
Newton.....	56,542 89	43,494 53	85,431 21	2,609 67	18,345 48	102,856 38	95,214 51	12,045 55	2,579 30	38,696 80
Noble.....	83,690 62	5,263 55	83,107 95	.....	21,580 96	166,720 53	172,743 28	73,143 51	6,881 16	8,716 99
Ohio.....	25,792 95	8,597 65	6,009 66	.....	3,437 62	20,871 84	16,265 37	10,410 80	8,636 54	1,520 57
Orange.....	75,623 77	49,537 52	55,733 15	.....	20,244 10	79,695 08	75,129 37	8,943 69	1,424 83	4,386 44
Owen.....	53,361 41	49,831 29	26,714 93	9,966 46	11,372 69	86,581 42	73,293 33	24,009 42	1,002 22	10,077 45

Parke.....	108,456 80	77,626 32	49,198 69	.....	15,401 73	153,131 14	163,711 86	6,394 33	3,411 37	9,072 77
Perry.....	41,662 96	10,973 70	39,581 54	3,292 11	7,329 08	63,876 57	45,074 84	16,184 06	553 24	2,158 84
Pike.....	98,628 71	19,150 20	50,020 82	15,320 06	20,318 89	140,832 38	80,278 65	39,769 57	3,395 18	2,667 31
Porter.....	93,564 45	89,564 45	108,061 82	.....	24,183 88	186,032 42	170,280 40	27,435 31	1,570 01	16,848 46
Posey.....	80,063 02	93,864 87	108,296 11	6,565 83	17,273 73	143,203 82	109,027 00	30,858 44	1,644 11	9,209 57
Pulaski.....	49,938 54	26,703 57	50,184 06	2,769 43	19,935 04	118,332 90	84,039 45	29,731 03	2,089 14	22,777 72
Putnam.....	48,675 09	65,783 97	190,117 97	29,940 31	14,877 00	177,547 68	168,023 02	10,507 93	6,298 82	32,813 91
Randolph.....	140,476 70	82,914 77	103,667 49	.....	23,365 26	207,873 19	253,547 29	45,374 53	3,568 75	31,338 34
Ripley.....	49,198 88	45,884 49	99,215 52	.....	15,919 59	79,727 82	79,727 82	34,194 09	2,394 06	5,172 58
Rush.....	102,473 73	66,245 17	163,760 94	6,624 51	16,741 28	162,187 54	167,346 41	56,734 92	6,016 29	34,401 03
Scott.....	42,884 52	14,835 03	35,012 46	.....	7,792 89	49,693 93	57,149 69	14,184 27	809 20	3,894 18
Shelby.....	94,399 39	58,145 81	165,754 18	5,672 75	24,670 14	200,184 11	158,322 19	36,020 80	2,446 21	8,286 69
Spencer.....	110,831 09	9,861 28	120,931 76	27,611 64	16,340 40	115,343 19	63,647 71	36,192 79	1,499 11	12,991 94
Starke.....	44,978 39	31,749 46	53,290 38	.....	11,835 46	87,555 81	86,537 36	29,297 29	3,494 28	14,604 06
Steuben.....	59,559 43	14,889 85	32,822 81	.....	21,624 82	119,448 98	82,344 62	54,586 19	1,346 34	17,587 74
St. Joseph.....	343,185 54	168,371 27	516,396 49	83,185 60	33,529 74	906,760 41	617,565 87	50,152 50	14,754 54	24,393 18
Sullivan.....	131,457 34	85,850 51	157,300 91	17,170 09	24,404 90	206,719 29	248,107 15	33,720 40	4,912 07	3,753 47
Switzerland.....	36,652 37	18,718 17	23,067 14	13,477 04	7,291 56	49,509 02	42,653 82	8,965 10	1,714 83	.....
Tippecanoe.....	128,081 37	128,380 25	128,354 92	42,793 38	24,706 64	319,007 02	305,925 04	27,877 29	6,110 51	29,953 80
Tipton.....	40,883 70	71,491 25	22,983 39	4,766 08	14,264 89	129,406 59	118,389 10	.....	4,603 60	22,741 20
Union.....	55,216 04	18,074 02	2,123 06	1,807 40	8,045 52	52,886 46	61,808 50	26,995 21	1,375 31	11,530 73
Vanderburgh.....	304,255 05	110,654 29	171,637 07	51,638 69	20,702 95	725,311 41	327,983 31	22,466 96	44,603 05	10,624 21
Vermillion.....	69,458 28	71,698 87	86,414 78	11,202 96	9,836 67	196,947 64	177,201 41	5,452 10	7,928 60	7,003 14
Vigo.....	540,876 51	55,111 01	457,080 89	31,688 82	24,380 64	783,522 97	630,538 22	27,454 73	37,072 94	51,223 31
Wabash.....	114,153 12	95,127 58	162,956 91	25,367 27	15,871 81	208,703 10	215,870 55	24,716 08	6,779 16	19,980 21
Warren.....	62,453 78	62,182 89	77,023 10	.....	24,686 38	74,890 80	113,805 05	16,650 84	2,948 90	5,634 42
Warrick.....	99,334 54	21,714 60	112,988 84	.....	14,915 20	131,738 83	82,230 15	43,472 76	5,767 94	3,687 19
Washington.....	41,663 03	39,698 03	75,089 53	47,914 56	13,818 88	95,145 29	69,592 05	22,457 57	1,834 34	1,618 36
Wayne.....	188,719 80	79,250 83	98,944 27	22,014 07	19,022 40	375,093 72	355,010 56	44,530 18	19,737 60	57,023 15
Wells.....	129,793 75	103,834 75	114,197 69	.....	26,504 23	167,583 58	142,890 57	2,087 79	4,185 96	251 88
White.....	87,319 06	56,309 87	161,719 52	.....	15,192 49	129,509 08	109,138 56	31,777 50	5,082 23	22,888 81
Whitley.....	64,860 47	24,322 03	179,490 96	.....	23,546 05	118,693 88	116,314 35	53,648 30	393 96	18,387 48
Totals.....	\$12,372,648 43	\$6,130,362 60	\$12,291,280 11	\$1,917,375 99	\$1,861,336 98	\$21,451,788 10	\$18,724,302 37	\$2,953,487 51	\$743,478 73	\$1,770,485 34

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921—Continued.

NAME OF COUNTY	CITIES AND TOWNS				
	General	Street and Alley	Light and Water	Other Funds	Total Taxes
Adams.....	\$97,492 47	.....	.....	\$3,975 04	\$995,549 66
Allen.....	1,061,513 17	.....	.....	273,859 12	4,351,954 99
Bartholomew.....	118,766 50	.....	.....	15,807 70	874,590 32
Benton.....	21,031 98	\$9,183 24	\$18,727 29	10,039 65	840,362 45
Blackford.....	30,835 12	4,930 15	2,843 47	21,636 25	549,576 10
Boone.....	80,925 77	3,218 98	1,780 29	43,864 04	1,148,326 40
Brown.....	701 09	158 31	588 02	655 85	146,287 48
Carroll.....	34,940 55	.....	.....	3,311 04	840,890 35
Cass.....	250,046 33	.....	.....	51,472 88	1,620,023 18
Clark.....	107,288 70	.....	.....	13,082 37	723,904 35
Clay.....	41,177 77	2,744 73	13,513 77	28,461 69	1,008,304 01
Clinton.....	123,797 64	10,550 75	10,211 45	33,056 57	1,380,661 68
Crawford.....	2,008 78	3,531 70	3,531 70	2,936 13	193,341 84
Davies.....	20,224 85	1,330 90	42,467 85	50,563 20	802,969 51
Dearborn.....	42,444 72	.....	.....	6,580 96	547,978 66
Dekalb.....	67,069 54	.....	3,342 18	23,223 44	991,692 52
Decatur.....	37,272 60	.....	.....	16,619 00	869,261 26
Delaware.....	300,358 29	.....	5,629 91	206,603 79	2,468,439 70
Dubois.....	31,151 37	1,060 00	4,549 18	2,720 21	462,409 43
Elkhart.....	122,701 82	2,944 97	12,821 63	133,118 38	1,743,672 29
Fayette.....	106,905 16	358 74	15,141 25	31,715 26	657,752 06
Floyd.....	136,835 36	.....	37,751 48	39,982 26	708,981 47
Fountain.....	49,159 19	.....	.....	30,382 17	858,108 78
Franklin.....	16,739 94	5,517 25	598 05	3,544 86	462,827 66
Fulton.....	50,455 62	.....	.....	3,968 42	906,956 08
Gibson.....	73,782 27	18,643 85	15,668 58	15,407 36	1,258,096 93
Grant.....	231,954 42	4,481 92	36,270 47	114,006 67	1,932,827 32
Greene.....	60,796 89	.....	32,312 64	31,157 81	1,081,543 93
Hamilton.....	68,402 36	.....	.....	6,002 87	1,016,533 74
Hancock.....	28,780 99	4,381 83	5,254 03	14,344 16	870,485 30

Harrison.....	9,587 52	2,684 33	2,845 34	4,758 11	356,902 00
Hendricks.....	15,520 97	7,952 99	11,287 08	13,551 04	1,003,763 38
Henry.....	95,707 86	31,316 07	22,090 89	58,917 97	1,156,669 30
Howard.....	265,077 60	.....	.....	43,882 52	1,736,288 40
Huntington.....	166,004 91	.....	.....	37,387 68	1,282,550 11
Jackson.....	66,033 96	2,197 29	8,007 53	29,068 35	803,086 86
Jasper.....	13,623 15	12,252 42	6,311 37	10,342 88	769,830 91
Jay.....	46,843 25	11,806 92	17,673 48	33,928 23	865,877 99
Jefferson.....	66,870 03	.....	.....	6,024 37	544,451 84
Jennings.....	18,449 38	.....	2,277 13	1,138 56	421,494 60
Johnson.....	45,294 29	7,405 04	26,677 73	18,975 69	916,074 32
Knox.....	179,967 19	7,738 73	9,172 72	56,312 85	1,834,337 96
Kosciusko.....	81,758 39	8,449 69	7,539 36	36,270 29	1,205,857 58
Lagrange.....	13,498 13	9,202 42	6,059 46	5,193 24	547,166 60
Lake.....	133,748 23	8,611 15	.....	30,230 62	5,786,863 52
Laporte.....	175,330 49	.....	.....	56,036 46	1,832,815 66
Lawrence.....	124,374 29	.....	.....	18,991 05	916,087 46
Madison.....	207,275 31	.....	2,498 62	151,032 97	2,413,969 51
Marion.....	3,734,583 08	.....	.....	2,311,991 44	15,517,924 02
Marshall.....	75,991 65	.....	.....	21,851 34	1,092,327 62
Martin.....	9,408 29	5,823 86	3,366 93	7,341 70	269,493 76
Miami.....	128,132 74	.....	.....	43,548 01	1,233,364 03
Monroe.....	58,328 74	.....	16,683 06	32,180 15	739,828 92
Montgomery.....	131,400 64	.....	.....	65,212 47	1,435,065 59
Morgan.....	30,766 91	4,654 26	14,152 71	20,770 04	767,969 44
Newton.....	12,594 77	8,488 26	9,757 98	14,412 91	609,185 14
Noble.....	29,324 65	.....	7,588 16	24,194 97	812,888 72
Ohio.....	5,685 02	4,401 88	4,401 88	2,012 29	116,649 32
Orange.....	22,823 20	15,289 67	8,968 50	21,811 92	481,876 38
Owen.....	14,656 88	.....	1,288 30	4,723 82	408,614 51
Parke.....	10,948 02	9,512 27	2,793 98	6,183 98	694,249 58
Perry.....	39,504 18	.....	.....	8,325 95	305,278 69
Pike.....	14,904 69	6,870 48	5,563 14	2,147 35	513,162 86
Porter.....	60,316 23	5,422 79	4,805 74	24,748 16	1,023,953 79
Posey.....	49,720 36	3,846 64	621 80	23,654 53	799,241 79
Pulaski.....	9,306 18	4,552 05	5,833 76	11,414 25	528,781 27
Putnam.....	48,923 96	.....	.....	11,102 20	910,516 34
Randolph.....	84,828 91	4,999 48	18,442 85	7,776 58	1,178,562 68
Ripley.....	15,686 72	5,237 66	7,261 82	11,647 91	597,278 06
Rush.....	39,817 49	3,407 82	2,640 51	9,949 79	1,000,431 83

TAXES LEVIED, STATE OF INDIANA FOR THE YEAR 1921—Continued.

NAME OF COUNTY	CITIES AND TOWNS				
	General	Street and Alley	Light and Water	Other Funds	Total Taxes
Scott.....	\$4,450 56	[\$2,818 69	\$2,225 28	\$3,115 39	\$262,279 63
Shelby.....	79,995 43	.....	5,414 27	38,407 91	1,052,346 70
Spencer.....	13,599 58	2,391 28	5,319 60	9,060 64	594,842 07
Starke.....	10,850 63	1,029 78	16,406 89	8,599 86	464,181 57
Steuben.....	11,477 15	.....	6,208 55	20,990 46	504,253 05
St. Joseph.....	1,034,505 24	.....	25,428 10	319,857 10	4,656,085 31
Sullivan.....	89,300 76	204 41	.....	3,194 37	1,114,479 57
Switzerland.....	16,054 50	.....	.....	.....	237,499 74
Tippecanoe.....	256,981 21	3,149 93	12,749 03	85,183 54	1,763,204 46
Tipton.....	44,211 10	.....	.....	4,669 54	595,551 48
Union.....	5,719 85	.....	4,823 60	7,742 84	302,220 16
Vanderburgh.....	717,651 06	.....	.....	326,641 80	3,206,667 54
Vermillion.....	57,922 87	12,982 83	8,232 18	32,792 33	867,513 94
Vigo.....	604,779 38	3,628 63	3,156 54	322,324 38	3,920,826 98
Wabash.....	93,842 30	.....	40,151 96	59,082 04	1,239,173 31
Warren.....	11,276 76	3,564 07	3,605 18	6,021 12	600,863 82
Warrick.....	28,341 76	.....	4,699 58	2,815 43	607,070 34
Washington.....	9,945 60	7,854 27	.....	8,724 55	483,345 22
Wayne.....	366,172 41	.....	.....	59,432 11	1,904,490 63
Wells.....	32,446 26	.....	18,857 08	31,428 48	901,837 35
White.....	52,850 59	.....	.....	8,899 06	818,684 56
Whitley.....	66,263 91	.....	.....	12,855 85	778,865 60
Totals.....	\$13,396,956 10	\$294,852 40	\$656,992 91	\$5,903,162 59	\$114,641,524 32

REPORT OF TREASURER OF STATE

OFFICERS

ORA J. DAVIES, Treasurer of State.

B. H. URBAHNS, Deputy Treasurer of State.

AMY WOLFE, Stenographer-Bookkeeper.

The office of Treasurer of State exists by virtue of the state constitution. The Treasurer is elected for a term of two years. He may succeed himself, but is not eligible to serve more than four years in any period of six years.

DUTIES OF THE TREASURER

The statutes prescribe that, "The Treasurer shall receive of the several county treasurers, collectors of the public revenue, and of all other officers and persons, all moneys whatsoever which are required by any act of the General Assembly to be paid into the treasury of the State. He shall keep, in books provided for that purpose, correct and separate accounts of all the moneys received by him by virtue of his office. He shall keep in like manner, correct accounts of all moneys paid by him out of the treasury." Payments may be made only upon proper warrants drawn by the Auditor of State.

It is further required that "All public funds collected by the state officer or board having an office in the state capitol building * * * shall be deposited (daily) with the Treasurer of State," who in turn shall deposit all such state funds, on the day following the collection thereof, in one or more banks or trust companies, which have previously been designated state depositories by the State Board of Finance.

The Treasurer is ex-officio a member of the State Board of Finance, which board is composed of the Governor, Auditor and Treasurer. This board has supervision of all the fiscal affairs of the State. It selects state depositories with reference to the convenience of officers of state institutions using them. The state depositories pay monthly, into the state treasury, interest on daily balances of state funds at the rate of two per cent per annum on checking account, two and one-half per cent on semi-annual time deposits and three per cent upon annual time deposits. Exception to this schedule of rates is made on deposits on the state sinking fund, for which the depositories pay four per cent on annual time deposits.

The Treasurer of State is also ex-officio custodian of the funds and interest-bearing securities of the Indiana State Teachers' Retirement Fund.

DECEMBER SETTLEMENT SHEET

Tabular Statement Showing the Amounts Paid by County Treasurers at the December Settlement, 1921, for the Second Installment of Taxes for 1921

COUNTIES	World War Memorial	State Tax	Benevolent Institution Fund Tax	Highway	School Tax	Educational Institution Tax	State Vocational Fund	School Fund Interest	Permanent Endowment Fund Indiana University Interest	Unclaimed Fees	Docket Fees Circuit Court	Total
Adams.....	\$1,482 63	\$2,352 61	\$14,579 55	\$9,637 32	\$14,170 31	\$6,919 11	\$404 41	\$2,211 84	\$188 27	.....	\$100 00	\$32,136 05
Allen.....	6,594 14	13,932 94	64,891 13	42,910 61	65,566 93	30,807 60	2,203 82	9,676 81	674 32	.....	98 00	237,356 30
Bartholomew.....	1,511 67	2,755 57	14,878 29	9,839 40	14,811 89	7,064 23	3,027 53	3,027 53	246 04	.....	94 00	54,733 95
Benton.....	2,033 23	3,404 29	20,011 86	13,234 27	19,382 08	9,301 55	679 73	1,700 05	129 46	.....	.....	70,076 62
Blackford.....	882 52	1,836 03	8,693 33	5,751 69	8,635 30	4,129 40	295 60	2,007 86	149 78	.....	46 00	32,427 51
Boone.....	2,047 92	4,119 11	20,141 62	13,315 08	19,974 08	9,559 67	683 23	3,018 83	271 54	.....	140 50	73,271 53
Brown.....	1,08 71	357 72	1,076 30	713 90	1,206 64	512 60	36 89	1,170 94	84 16	.....	28 00	5,293 86
Carroll.....	1,539 36	3,032 22	15,140 54	10,009 38	14,941 16	7,186 21	513 73	2,095 45	194 31	.....	50 00	54,702 36
Cass.....	2,272 56	4,734 64	22,361 36	14,786 26	22,369 96	10,615 78	759 20	4,069 77	342 35	.....	100 00	82,401 78
Clark.....	887 60	1,735 21	8,717 90	5,759 26	8,814 58	4,131 82	296 21	3,475 26	280 97	.....	190 00	34,291 81
Clay.....	957 47	3,102 58	9,493 22	6,301 88	10,731 80	4,524 44	323 91	2,851 34	314 49	.....	120 00	38,721 13
Clinton.....	2,385 92	4,633 05	23,468 79	15,514 53	23,318 48	11,138 63	796 79	3,757 11	277 46	.....	92 00	85,382 76
Crawford.....	169 01	572 82	1,668 77	1,105 62	1,894 02	793 81	56 94	1,507 09	116 05	.....	34 00	7,918 13
Daviess.....	960 75	2,255 61	9,456 98	6,254 55	9,726 18	4,490 41	321 46	10,007 72	253 63	.....	118 00	43,845 29
Dearborn.....	677 11	1,468 19	6,071 97	4,414 80	6,878 76	3,169 72	226 92	3,123 23	218 53	.....	44 00	26,893 23
Decatur.....	1,193 03	2,397 75	11,737 96	7,761 29	11,781 12	5,572 24	398 47	2,430 80	202 88	.....	74 00	44,049 54
Dekalb.....	1,476 21	2,439 34	14,527 70	9,616 80	13,926 56	6,304 37	493 70	3,043 39	236 85	.....	98 00	52,772 92
Delaware.....	3,265 33	7,255 36	32,241 43	21,356 87	32,681 03	15,333 18	1,098 93	4,993 45	416 17	.....	110 00	118,751 75
Dubois.....	5,622 31	1,638 32	5,151 38	3,410 48	5,692 04	2,448 58	1,175 05	2,466 48	160 70	.....	66 00	21,731 34
Elkhart.....	2,966 91	6,155 86	29,187 01	19,297 42	29,280 83	13,854 55	991 73	5,205 95	426 40	.....	144 00	107,490 66
Fayette.....	1,002 59	2,080 02	9,858 45	6,516 62	9,907 84	4,678 59	335 08	1,625 75	140 14	.....	104 00	36,249 08
Floyd.....	638 04	1,408 87	6,404 76	4,278 39	6,816 68	3,071 69	220 28	3,441 37	274 21	.....	78 00	26,692 99
Fountain.....	1,370 46	2,755 36	13,488 50	8,920 15	13,367 86	6,404 20	458 13	2,938 61	215 67	.....	128 00	50,046 94
Franklin.....	650 91	1,523 71	6,400 90	4,231 11	6,347 73	3,037 73	217 33	1,343 70	168 65	.....	58 00	24,176 43
Fulton.....	1,227 47	2,246 60	12,076 17	7,984 65	12,107 67	5,732 56	409 93	1,823 75	171 14	.....	90 00	43,869 94
Gibson.....	1,449 70	2,176 48	14,288 60	9,456 19	14,086 09	6,789 05	486 15	3,579 28	267 02	.....	248 00	52,826 56
Grant.....	1,271 09	5,809 94	27,286 21	18,049 09	27,139 96	12,958 38	6,432 17	6,432 17	623 51	.....	250 00	102,246 99
Greene.....	1,147 83	3,041 38	11,325 45	7,409 41	11,928 17	5,384 18	385 94	5,931 21	242 01	.....	158 00	47,043 58
Hamilton.....	1,657 30	3,244 24	16,307 55	10,779 97	16,407 81	7,738 26	554 01	3,238 27	266 39	.....	.....	60,193 80
Hancock.....	1,886 63	3,263 61	15,612 86	10,324 17	15,448 30	7,412 22	530 09	1,040 38	180 48	.....	46 00	55,480 74

Harrison.....	337 91	1,003 52	3,338 07	2,211 76	3,693 23	1,588 08	113 74	3,441 09	198 01	40 00	15,963 41
Hendricks.....	1,715 91	3,697 23	10,891 52	11,171 71	16,325 89	8,020 75	573 81	3,860 81	214 52	91 00	63,166 15
Henry.....	2,086 49	4,871 65	20,520 43	17,560 50	20,959 06	9,739 37	696 05	5,475 54	253 99	118 00	78,736 90
Howard.....	2,747 81	5,936 53	27,149 97	13,960 55	28,076 95	12,916 27	9,542 81	3,542 81	275 11	236 00	99,796 70
Huntington.....	2,001 82	3,659 97	19,701 89	13,029 32	19,846 41	9,354 45	669 17	3,219 46	264 58	208 00	71,955 07
Jackson.....	1,015 05	2,318 53	9,979 99	6,596 32	10,202 02	4,735 94	339 01	3,237 71	232 87	91 00	38,751 54
Jasper.....	1,208 38	2,336 41	11,894 67	7,866 49	11,774 43	5,648 02	404 95	1,563 47	126 19	54 00	42,877 41
Jay.....	1,415 00	1,939 39	13,940 53	9,221 62	14,044 42	6,020 80	473 83	3,474 56	265 08	78 00	52,474 03
Jefferson.....	541 54	1,347 78	5,328 79	3,523 64	5,603 78	2,529 81	180 89	3,030 79	228 49	12 00	22,327 51
Jennings.....	494 80	1,148 66	4,890 03	3,240 68	4,977 08	2,326 64	166 74	1,959 97	147 31	36 00	19,387 91
Johnson.....	1,508 62	3,137 58	14,848 33	9,819 54	14,721 15	7,049 95	504 65	2,960 74	196 63	84 00	54,891 19
Knox.....	2,231 50	4,904 61	21,933 29	14,404 95	22,281 46	10,406 66	745 45	6,977 56	272 70	80 00	83,658 18
Kosciusko.....	1,876 01	3,858 86	18,466 73	12,213 43	18,407 83	8,768 61	637 55	4,074 96	283 55	122 00	68,697 55
Lagrange.....	9,995 84	1,924 60	9,821 56	6,501 93	9,788 50	4,068 97	334 02	1,875 68	156 99	66 00	66,123 79
Lake.....	9,237 75	17,752 79	90,989 00	60,196 67	89,304 00	43,218 07	3,096 98	13,018 24	300 55	44 00	327,158 05
Laporte.....	2,779 86	5,741 55	27,336 87	18,070 81	27,234 15	12,973 94	928 72	5,820 27	346 86	130 00	101,363 03
Lawrence.....	727 11	1,875 49	7,166 02	4,762 99	7,430 07	3,408 55	244 12	3,325 48	196 25	108 00	29,294 08
Madison.....	3,122 27	6,411 13	30,695 46	20,288 01	30,926 64	14,565 73	1,041 74	4,585 58	547 33	445 00	112,628 89
Marion.....	19,974 62	39,894 13	196,413 74	129,831 63	194,038 84	83,212 44	6,669 80	20,311 87	1,683 41	426 00	702,456 48
Marshall.....	1,709 69	3,433 02	16,847 12	11,148 04	16,727 26	8,003 76	572 42	2,783 77	237 01	58 00	61,520 09
Martin.....	224 81	686 67	2,237 66	1,488 08	2,446 70	1,068 32	76 72	4,750 15	112 89	74 00	13,166 00
Miami.....	1,780 02	4,068 36	17,513 08	11,579 74	17,998 12	8,313 67	595 39	3,981 97	261 09	114 00	66,205 44
Monroe.....	738 20	1,713 00	7,255 37	4,794 64	7,450 09	3,442 20	246 33	2,541 99	178 01	127 00	28,486 83
Montgomery.....	2,234 33	4,467 45	22,093 27	14,555 56	21,875 55	10,450 14	747 33	2,305 43	189 17	122 00	78,950 23
Morgan.....	846 64	1,949 89	8,344 06	5,821 97	8,585 28	3,964 57	283 78	3,025 37	183 22	118 00	32,832 80
Newton.....	1,285 01	2,376 86	12,641 26	8,357 69	12,341 91	6,003 59	429 26	1,123 50	95 82	46 00	44,701 11
Noble.....	1,413 93	2,997 97	14,089 80	9,376 69	14,075 06	6,732 01	481 74	3,009 44	249 61	98 00	52,524 25
Ohio.....	128 19	355 28	1,261 71	834 46	1,342 14	599 08	42 86	716 67	47 06	10 00	5,337 45
Orange.....	467 27	1,277 88	4,632 84	3,075 26	4,942 65	2,207 92	158 45	1,034 14	136 21	50 00	17,982 62
Owen.....	486 67	791 56	4,794 18	3,172 21	4,970 61	2,277 67	163 10	1,878 32	139 75	98 00	18,772 07
Parke.....	912 37	1,891 67	8,998 49	5,957 16	9,085 10	4,277 26	305 88	3,472 26	208 65	62 00	35,170 84
Perry.....	303 95	840 57	2,993 01	1,979 91	3,182 09	1,421 48	101 74	2,173 89	152 27	60 00	13,208 91
Pike.....	1,109 62	5,125 44	5,309 83	3,390 94	8,234 54	4,343 58	174 02	2,796 43	173 58	214 00	21,248 78
Porter.....	1,763 11	3,397 69	17,349 80	11,472 80	17,031 85	8,236 83	589 29	1,980 07	187 65	116 00	62,125 14
Posey.....	1,144 31	1,938 26	11,297 12	7,482 85	10,901 60	5,372 24	384 67	3,741 16	216 87	65 00	42,544 08
Pulaski.....	896 09	1,971 11	8,873 40	5,886 03	8,989 36	4,226 09	403 74	1,108 35	117 80	24 50	32,395 83
Punam.....	1,295 77	2,783 45	12,749 38	8,429 94	12,760 36	6,052 28	332 10	2,187 57	208 47	138 00	47,037 96
Randolph.....	2,170 09	4,743 76	21,353 85	14,120 11	21,254 70	10,137 60	706 06	4,265 45	278 14	188 00	78,787 79
Ripley.....	626 12	1,429 76	6,169 26	4,638 20	2,930 76	2,438 07	209 56	2,487 07	194 91	110 00	24,677 77
Rush.....	2,021 19	4,133 08	19,902 85	13,165 59	19,842 65	9,452 26	675 78	2,195 14	199 49	90 00	71,678 03

DECEMBER SETTLEMENT SHEET—Continued.

Tabular Statement Showing the Amounts Paid by County Treasurers at the December Settlement, 1921, for the Second Installment of Taxes for 1921

COUNTIES	World War Memorial	State Tax	Benevolent Institution Fund Tax	Highway •	School Tax	Educational Institution Fund Tax	State Vocational Fund	School Fund Interest	Permanent Endowment Fund Indiana University Interest	Unclaimed Fees	Docket Fees Circuit Court	Total
Scott.....	279 47	683 18	2,752 27	1,520 72	2,875 48	1,307 16	93 50	1,760 72	72 76	.....	45 00	11,700 26
Shelby.....	2,074 48	4,547 60	20,434 80	13,519 93	20,535 13	9,706 62	694 53	2,968 31	258 80	.....	90 00	74,830 20
Spencer.....	552 68	1,228 45	5,476 67	3,633 58	5,814 81	2,608 84	186 76	2,680 03	204 28	.....	60 00	23,446 10
Starke.....	774 47	1,240 86	7,603 74	5,022 21	7,511 53	3,805 76	259 01	1,886 13	90 17	.....	88 00	28,081 88
St. Joseph.....	5,704 48	11,836 87	56,114 14	37,099 20	56,096 97	26,635 61	1,906 81	5,567 47	460 31	2 00	54 00	201,477 86
Steuben.....	661 16	1,182 50	6,523 96	4,320 33	6,293 56	3,101 75	222 68	2,664 60	168 19	.....	50 00	25,188 73
Sullivan.....	1,231 43	3,280 56	12,185 89	8,081 14	13,052 64	5,801 86	415 58	3,597 85	212 16	.....	54 00	47,913 11
Switzerland.....	215 36	614 45	2,123 77	1,405 64	2,303 59	1,011 88	272 11	1,058 04	116 40	.....	4 00	8,925 54
Tippecanoe.....	3,023 28	6,241 71	29,838 93	19,761 40	29,934 76	14,187 69	1,015 63	4,147 40	394 03	.....	92 00	108,636 83
Tipton.....	1,439 58	3,117 24	14,241 94	9,443 36	14,470 46	6,779 83	485 23	2,661 10	176 94	.....	98 00	52,913 63
Union.....	536 11	1,026 78	5,272 51	3,485 45	5,224 91	2,502 32	178 92	836 92	72 67	.....	.....	19,136 59
Vanderburgh.....	4,451 42	9,343 66	43,789 83	28,951 76	43,659 95	20,749 40	1,487 90	7,311 32	601 37	.....	392 00	180,738 61
Vermillion.....	1,242 70	2,225 51	12,239 31	8,097 49	12,184 49	5,813 30	416 11	3,289 31	135 97	.....	256 00	45,900 19
Vigo.....	4,005 62	9,697 82	39,651 36	26,299 40	41,656 81	18,831 68	1,354 43	7,048 36	583 67	.....	600 00	149,779 15
Wabash.....	1,865 96	3,388 96	18,356 24	12,136 23	18,297 71	8,713 29	623 16	4,604 54	268 94	.....	148 00	68,493 03
Warren.....	1,299 19	2,354 10	12,785 49	8,452 49	12,486 60	6,067 38	483 93	1,463 06	107 80	.....	42 00	45,492 04
Warrick.....	619 24	1,321 07	6,111 93	4,047 11	6,300 28	2,905 51	207 97	2,593 91	202 49	201 75	112 00	24,623 26
Washington.....	567 76	1,305 45	5,620 26	3,727 71	5,888 02	2,676 42	191 75	2,647 25	174 05	.....	43 00	22,841 67
Wayne.....	2,554 39	5,345 86	25,132 57	16,617 06	25,144 42	11,930 87	853 92	6,846 10	395 76	.....	186 00	95,007 85
Wells.....	1,537 66	3,041 23	13,131 33	10,005 95	14,937 20	7,183 64	513 83	5,564 00	208 02	.....	70 00	58,192 86
White.....	1,621 33	2,940 63	15,960 26	10,545 79	15,692 87	7,571 39	1,721 42	1,741 97	174 97	.....	44 00	56,804 41
Whitley.....	1,235 03	2,593 78	12,145 90	8,029 10	12,083 97	5,764 50	412 32	2,325 98	166 94	.....	140 00	44,897 54
TOTALS.....	\$163,916 26	\$339,223 02	\$1,614,379 50	\$1,068,005 86	\$1,619,817 63	\$766,730 93	\$54,859 60	\$327,593 94	\$22,635 86	\$674 47	\$9,962 00	\$5,988,099.07

JUNE SETTLEMENT SHEET

Tabular Statement Showing the Amounts Paid by County Treasurers at the June Settlement, 1922, for the May Installment of Taxes for 1922.

COUNTIES	Unclaimed Fees	Teachers' Pension	World War Memorial	State Tax	Benevolent Institution Fund Tax	Highway	School Tax
Adams.....		\$502 54	\$1,520 88	\$2,948 51	\$15,206 43	\$8,377 93	\$18,564 36
Allen.....		2,267 08	6,955 04	14,911 34	69,524 40	38,406 25	85,765 75
Bartholomew.....		523 29	1,602 22	3,415 07	16,017 28	8,843 11	19,494 67
Benton.....		690 22	2,114 19	3,832 30	21,130 33	11,672 29	25,060 41
Blackford.....		284 76	875 21	1,900 45	8,748 56	4,834 53	10,616 44
Boone.....		693 10	2,103 81	4,179 30	21,033 77	11,595 31	25,454 19
Brown.....		36 15	120 00	402 32	1,198 13	671 63	1,584 51
Carroll.....		520 90	1,588 77	3,235 63	15,883 32	8,764 30	19,212 90
Cass.....		773 17	2,346 88	4,790 79	23,453 20	12,927 91	28,598 08
Clark.....		301 98	933 81	1,877 00	9,333 38	5,163 82	11,627 96
Clay.....	235 59	325 58	1,000 13	2,591 56	9,997 87	5,524 34	12,710 99
Clinton.....		805 19	2,437 81	4,882 26	24,375 21	13,430 66	29,554 66
Crawford.....		54 49	173 01	534 01	1,728 76	963 08	2,339 43
Daviess.....		343 78	1,064 33	2,684 74	10,637 89	5,886 88	13,388 45
Dearborn.....		254 92	802 56	2,022 22	8,019 79	4,452 26	9,995 55
Decatur.....		402 83	1,234 45	2,522 32	12,340 39	6,815 57	14,978 51
Dekalb.....		527 16	1,615 37	4,387 72	16,147 68	8,917 88	20,604 86
Delaware.....		1,119 39	3,456 38	7,647 29	34,547 40	19,108 26	42,236 60
Dubois.....		190 76	579 42	1,996 32	5,793 34	3,194 21	7,791 51
Elkhart.....		1,191 45	3,710 03	8,817 10	37,077 62	20,540 91	45,830 77
Fayette.....		348 06	1,054 52	2,431 60	10,543 04	5,809 91	13,031 90
Floyd.....		259 98	809 30	1,569 45	8,088 12	4,480 44	10,041 85
Fountain.....		459 62	1,402 46	3,020 52	14,020 64	7,737 21	17,037 46
Franklin.....		226 82	687 41	1,448 48	6,872 96	3,787 78	8,672 07
Fulton.....		404 92	1,226 77	2,338 15	12,265 71	6,759 24	14,921 22
Gibson.....		540 14	1,666 65	4,179 69	16,658 21	9,212 46	21,008 69
Grant.....		911 25	2,792 14	5,947 20	27,911 29	15,414 86	33,924 03
Greene.....		417 46	1,296 15	3,545 27	12,954 48	7,172 85	16,509 59
Hamilton.....	144 15	546 32	1,669 13	3,807 34	16,685 98	9,210 27	20,540 78
Hancock.....		557 38	1,700 18	3,614 04	16,996 53	9,378 33	20,592 31
Harrison.....		109 07	337 49	898 92	3,375 74	1,868 51	4,543 37
Hendricks.....		567 81	1,728 41	3,474 91	17,279 95	9,531 25	20,919 57
Henry.....		680 31	2,063 60	4,580 56	20,631 90	11,372 23	25,210 14
Howard.....		953 37	2,943 64	5,642 50	29,422 92	16,273 84	35,593 90
Huntington.....	36 15	661 50	2,031 66	3,673 26	20,308 21	11,220 90	24,826 47
Jackson.....		357 23	1,099 55	2,557 26	10,952 15	6,036 54	13,654 19
Jasper.....		415 32	1,319 89	2,503 65	13,136 09	7,333 06	15,924 47
Jay.....		466 58	1,434 04	2,950 44	14,335 03	7,921 67	17,444 85
Jefferson.....		187 74	574 07	1,596 41	5,739 23	3,168 51	7,323 22
Jennings.....		174 16	557 70	1,366 84	5,571 35	3,102 63	6,882 92
Johnson.....		516 29	1,584 62	3,249 99	15,840 32	8,751 27	19,126 22
Knox.....		764 50	2,439 77	5,435 74	24,373 64	13,565 28	29,862 30
Kosciusko.....		664 60	2,030 48	4,262 97	20,298 64	11,204 47	24,697 88
Lagrange.....		329 61	1,018 31	2,259 13	10,178 32	5,630 00	12,392 83
Lake.....		4,199 44	12,933 36	27,208 96	129,277 37	71,468 30	156,346 81
Laporte.....		1,021 64	3,120 71	7,534 61	31,197 64	17,219 57	38,748 72
Lawrence.....		249 77	769 79	1,942 13	7,695 11	4,254 26	9,610 30
Madison.....	66 76	1,104 75	3,377 44	7,644 32	33,763 91	18,638 96	41,881 11
Marion.....		6,931 61	21,473 29	47,247 43	214,619 72	118,782 11	261,590 44
Marshall.....		572 68	1,744 71	3,514 36	17,441 31	9,621 48	21,197 08
Martin.....		75 12	237 50	710 42	2,373 08	1,318 49	3,096 80
Miami.....		595 79	1,805 76	3,180 20	18,055 59	9,950 74	22,082 58
Monroe.....		250 35	786 40	1,912 75	7,858 99	4,361 23	9,759 32
Montgomery.....		767 55	2,335 57	5,006 92	23,350 40	12,878 65	28,362 08
Morgan.....		284 08	873 82	2,167 86	8,723 67	4,819 69	10,863 61
Newton.....		432 46	1,323 85	2,535 64	13,234 00	7,306 57	15,830 65
Noble.....		551 14	1,702 33	3,745 06	17,015 30	9,411 72	20,860 81
Ohio.....		43 17	130 80	346 19	1,307 70	720 65	1,682 72
Orange.....		162 97	506 34	1,357 68	5,060 73	2,802 55	6,424 28
Owen.....		169 26	529 67	870 54	5,292 57	2,934 77	6,580 18

JUNE SETTLEMENT SHEET—Continued.

COUNTIES	Unclaimed Fees	Teachers' Pension	World War Memorial	State Tax	Benevolent Institution Fund Tax	Highway	School Tax
Parke.....		\$310 95	\$956 94	\$2,115 63	\$9,565 44	\$5,287 31	\$11,768 02
Perry.....		109 99	338 76	1,088 49	3,386 48	1,871 69	4,535 45
Pike.....		188 16	591 83	1,341 70	5,913 65	3,281 94	7,607 42
Porter.....		642 04	1,999 82	3,990 88	19,986 01	11,072 79	24,107 28
Posey.....		382 99	1,180 55	2,757 80	11,800 48	6,524 79	14,642 88
Pulaski.....		290 80	901 12	1,638 22	9,006 35	4,984 84	10,921 87
Putnam.....		425 39	1,304 61	2,902 37	13,041 44	7,203 70	15,904 52
Randolph.....		658 84	2,029 63	4,204 45	20,287 04	11,215 89	24,545 71
Ripley.....		221 77	677 92	1,730 87	6,777 21	3,741 13	8,660 50
Rush.....		680 51	2,062 10	4,036 74	20,617 16	11,361 94	24,706 00
Scott.....		91 86	282 12	655 50	2,819 97	1,558 08	3,546 59
Shelby.....		723 24	2,204 31	4,527 84	22,037 49	12,158 44	26,626 35
Spencer.....		210 91	666 12	1,546 63	6,657 21	3,697 54	8,362 42
Starke.....		262 83	838 80	1,568 89	8,379 68	4,663 69	10,069 20
Steuben.....		251 58	769 06	2,167 82	7,688 71	4,244 63	9,841 34
St. Joseph.....		2,160 08	6,586 45	14,346 94	65,847 48	36,331 97	81,586 88
Sullivan.....		438 24	1,335 35	3,433 68	13,611 41	7,537 89	17,249 07
Switzerland.....		75 90	237 68	756 42	2,375 21	1,317 17	3,119 54
Tippecanoe.....		1,103 16	3,393 19	6,767 75	33,918 08	18,746 36	41,119 48
Tipton.....		474 84	1,442 76	2,951 73	14,424 86	7,953 63	17,410 55
Union.....		188 94	575 25	1,407 02	5,750 98	3,172 25	7,191 13
Vanderburgh.....		1,482 20	4,517 58	9,356 95	45,164 23	24,917 77	54,863 52
Vermillion.....		464 46	1,451 83	3,529 89	14,508 50	8,043 52	18,206 85
Vigo.....		1,367 45	4,229 34	8,458 54	42,272 34	23,388 39	51,594 69
Wabash.....		607 88	1,870 53	3,599 73	18,697 15	10,334 55	22,664 86
Warren.....		447 50	1,375 48	2,302 44	13,738 30	7,593 27	16,336 35
Warrick.....		207 72	651 59	1,502 73	6,513 50	3,613 64	8,225 60
Washington.....	\$31 41	183 52	567 72	1,387 47	5,674 34	3,139 67	7,177 99
Wayne.....		889 30	2,717 23	5,951 95	27,163 87	14,993 91	33,138 26
Wells.....		520 41	1,599 75	3,378 58	15,990 83	8,837 88	19,451 79
White.....		565 45	1,788 04	3,441 22	17,865 47	9,926 02	21,451 27
Whitley.....		404 89	1,229 66	2,717 12	12,294 01	6,778 11	15,028 95
TOTALS.....	\$514 06	\$57,774 36	\$177,726 70	\$384,411 63	\$1,776,727 17	\$982,018 78	\$2,176,702 65

JUNE SETTLEMENT SHEET—Continued.

COUNTIES	Educational Institution Fund Tax	State Vocational Fund	School Fund Interest	Permanent Endowment Fund Indiana University Interest	Agricultural Experiment Station	Docket Fees Circuit Court	Total
Adams.....	\$12,625 63	\$1,261 10	\$2,211 84	\$188 27	\$1,005 13	\$196 00	\$64,608 62
Allen.....	57,394 72	5,722 34	9,123 53	674 32	4,534 17	182 00	295,460 94
Bartholomew...	13,238 83	1,320 46	3,000 59	246 04	1,047 62	143 00	68,892 18
Benton.....	17,457 66	1,740 95	1,700 06	129 46	1,380 46	97 00	87,005 33
Blackford.....	7,216 71	719 33	2,000 00	149 78	569 50	110 80	38,026 07
Boone.....	17,441 48	1,741 39	3,776 95	271 54	1,386 17	166 00	89,843 01
Brown.....	957 58	94 47	1,500 00	84 16	72 30	20 00	6,741 25
Carroll.....	13,144 17	1,311 50	1,680 63	194 31	1,041 82	98 00	66,676 25
Cass.....	19,451 84	1,942 22	3,981 49	342 25	1,546 32	.....	100,154 15
Clark.....	7,679 44	764 85	3,502 15	280 97	603 95	28 00	42,097 31
Clay.....	8,249 20	822 29	3,519 27	314 49	651 21	136 00	46,078 52
Clinton.....	20,234 15	2,020 95	3,884 07	277 46	1,610 42	366 00	103,878 84
Crawford.....	1,406 74	139 61	1,507 09	116 05	108 95	24 00	9,095 22
Daviess.....	8,748 44	871 18	3,891 12	253 63	687 54	77 00	48,534 98
Dearborn.....	6,549 49	650 68	3,166 46	218 53	509 78	58 00	36,700 24
Decatur.....	10,192 06	1,016 29	2,906 86	202 88	805 65	131 00	53,548 81
Dekalb.....	13,337 68	1,330 03	2,203 14	236 85	1,054 42	92 00	70,454 79
Delaware.....	28,443 05	2,833 31	5,343 60	416 17	2,238 77	94 00	147,484 22
Dubois.....	4,802 38	479 43	2,482 88	160 70	381 48	40 00	27,892 43
Elkhart.....	30,419 01	3,026 73	5,122 62	426 40	2,382 78	.....	158,545 42
Fayette.....	8,749 48	873 82	1,542 80	140 14	696 16	96 00	45,317 43
Floyd.....	6,636 71	660 42	3,380 12	274 21	520 00	136 00	36,856 60
Fountain.....	11,600 25	1,157 38	2,950 28	215 67	919 17	112 00	60,632 66
Franklin.....	5,702 97	569 52	3,759 86	168 65	453 66	82 00	32,432 18
Fulton.....	10,179 10	1,016 57	1,836 91	171 14	809 85	66 00	51,995 58
Gibson.....	13,719 04	1,366 76	3,651 95	267 02	1,080 31	350 00	73,700 92
Grant.....	23,053 49	2,298 86	6,432 17	623 51	1,822 49	115 00	121,246 29
Greene.....	10,640 63	1,059 15	6,000 00	242 01	834 87	142 00	60,814 46
Hamilton.....	13,798 49	1,376 45	3,250 82	266 39	1,092 56	200 00	72,588 68
Hancock.....	14,064 95	1,403 39	4,000 00	180 48	1,114 76	106 00	73,708 35
Harrison.....	2,782 08	277 15	2,495 00	196 01	219 28	16 00	17,118 62
Hendricks.....	14,311 73	1,428 36	3,843 02	214 52	1,135 62	96 00	74,531 15
Henry.....	17,113 42	1,708 79	3,549 22	253 99	1,360 63	182 00	88,706 79
Howard.....	24,224 29	2,413 12	3,723 38	275 11	1,906 75	253 10	123,625 92
Huntington.....	16,757 58	1,670 48	3,219 46	264 58	1,323 01	128 00	86,121 26
Jackson.....	9,032 56	900 88	3,000 00	232 87	714 41	156 00	48,693 64
Jasper.....	10,727 80	1,064 49	1,552 81	126 19	830 62	96 00	55,080 39
Jay.....	11,825 01	1,178 67	1,492 66	265 08	933 17	118 00	60,365 20
Jefferson.....	4,744 13	473 21	3,700 00	228 49	375 45	42 00	28,152 46
Jennings.....	4,518 54	447 89	1,682 95	147 31	348 33	46 00	24,846 62
Johnson.....	13,073 87	1,303 36	2,888 45	196 63	1,032 56	98 00	67,661 58
Knox.....	19,795 00	1,963 16	6,280 50	272 70	1,528 95	124 00	106,405 54
Kosciusko.....	16,785 92	1,674 43	4,106 94	283 55	1,329 19	128 00	87,467 07
Lagrange.....	8,377 69	834 66	1,872 71	156 59	659 32	82 00	43,791 17
Lake.....	106,549 09	10,617 49	7,935 00	300 55	8,398 85	84 00	535,319 22
Laporte.....	25,801 28	2,573 90	3,375 45	346 86	2,043 29	118 00	133,101 67
Lawrence.....	6,342 87	631 70	3,250 63	196 25	499 21	120 00	35,562 02
Madison.....	27,914 22	2,784 41	4,704 39	547 33	2,209 59	400 00	145,037 19
Marion.....	176,455 72	17,569 03	11,466 60	1,683 41	13,863 21	238 00	891,920 57
Marshall.....	14,441 14	1,441 09	3,093 36	237 01	1,145 38	54 00	74,503 60
Martin.....	1,934 59	192 14	3,000 00	112 89	150 18	43 00	13,244 21
Miami.....	14,981 22	1,496 11	3,979 89	261 09	1,191 58	178 00	77,758 55
Monroe.....	6,423 84	638 45	2,568 02	178 01	500 68	178 00	35,446 04
Montgomery.....	19,342 59	1,930 53	2,248 53	189 17	1,535 22	160 00	98,107 21
Morgan.....	7,197 05	717 32	2,469 55	183 22	568 13	132 00	39,000 00
Newton.....	10,934 97	1,090 22	1,135 38	95 82	864 89	66 00	54,850 45
Noble.....	14,007 09	1,395 09	2,962 55	249 61	1,102 33	107 00	73,110 03
Ohio.....	1,085 18	108 38	402 95	47 06	86 34	12 00	5,973 14
Orange.....	4,155 53	413 61	1,852 75	136 21	325 92	36 00	23,234 17
Owen.....	4,333 39	430 93	2,105 37	139 75	338 50	123 00	23,847

JUNE SETTLEMENT SHEET—Continued.

COUNTIES	Educational Institution Fund Tax	State Vocational Fund	School Fund Interest	Permanent Endowment Fund Indiana University Interest	Agricultural Experiment Station	Docket Fees Circuit Court	Total
Parke.....	\$7,885 88	\$785 90	\$3,472 26	\$208 65	\$621 85	\$92 00	\$43,070 83
Perry.....	2,790 82	278 02	2,196 62	152 27	219 98	20 00	16,988 57
Pike.....	4,832 90	480 29	2,796 43	173 58	376 49	165 00	27,749 39
Porter.....	16,394 96	1,631 25	2,815 30	187 65	1,284 07	104 00	84,216 05
Posey.....	9,722 23	968 72	3,783 74	216 87	765 98	78 00	52 825 03
Pulaski.....	7,403 85	737 21	1,108 34	117 80	581 58	150 00	37,841 98
Putnam.....	10,767 68	1,073 66	3,981 16	208 47	850 77	92 00	57,755 77
Randolph.....	16,718 56	1,665 85	4,295 28	278 14	1,317 63	121 00	87,338 02
Ripley.....	5,603 43	558 94	2,787 63	194 91	443 62	26 00	31,423 93
Rush.....	17,108 33	1,708 55	3,533 60	199 49	1,360 98	114 00	87,489 40
Scott.....	2,326 96	231 96	717 56	72 76	183 72	46 00	12,533 08
Shelby.....	18,242 30	1,820 31	3,747 89	258 80	1,446 45	154 00	93 947 42
Spencer.....	5,431 18	538 35	2,648 13	204 28	422 17	42 00	30,426 94
Starke.....	6,805 70	674 94	1,896 67	90 17	525 68	66 00	35,842 25
Steuben.....	6,356 27	634 00	1,000 00	168 19	503 10	40 00	33,664 70
St. Joseph.....	54,498 10	5,437 93	7,633 43	460 31	4,320 16	36 00	279,245 73
Sullivan.....	11,176 09	1,138 87	3,835 40	212 16	876 44	16 00	60,860 60
Switzerland.....	1,944 38	193 33	1,665 48	116 40	151 85	10 00	11,963 36
Tippecanoe.....	27,969 79	2,787 67	6,070 48	394 03	2,206 35	94 00	144,560 34
Tipton.....	11,956 18	1,193 56	2,636 76	176 94	949 65	163 00	61,734 46
Union.....	4,762 74	475 33	531 00	72 67	377 88	.....	24,505 19
Vanderburgh.....	37,388 58	3,730 82	7,822 78	601 37	2,964 45	358 00	193,168 25
Vermillion.....	11,884 14	1,181 88	3,590 61	135 97	928 91	144 00	64,070 56
Vigo.....	34,778 95	3,463 66	7,048 36	583 67	2,734 90	171 00	180,091 29
Wabash.....	15,415 78	1,536 29	4,500 00	268 94	1,215 79	164 00	80,875 50
Warren.....	11,334 65	1,130 07	1,800 00	107 80	894 84	48 00	57,108 70
Warrick.....	5,327 02	529 43	3,000 00	202 49	415 42	122 00	30,311 14
Washington.....	4,668 03	464 85	2,195 05	174 05	367 03	44 00	26,075 13
Wayne.....	22,462 62	2,240 77	4,479 36	395 76	1,778 62	200 00	116,411 85
Wells.....	13,197 95	1,314 24	500 00	208 02	1,040 22	188 00	66,227 67
White.....	14,564 56	1,446 12	1,700 00	174 97	1,130 96	114 00	74,168 08
Whitley.....	10,191 96	1,017 51	1,944 31	166 94	809 75	138 00	52,721 21
TOTALS....	\$1,465,017 33	\$146,030 76	\$305,000 61	\$22,935 86	\$115,550 15	\$10,397 90	\$7,620,807 96

\$137.03—Refund State Tax.

\$5.45—Received after settlement—Benton County Sp. Judge.

\$10.00—Received after settlement.

\$5.45—Received after settlement—Benton County School Tax.

RECORD OF BALANCES, TREASURER OF STATE OF INDIANA

September 30, 1922

FUNDS	Balance Sept. 30, 1921	Receipts Oct. 1, 1921 to Sept. 30, 1922	Total Receipts	Total Disbursed to Sept. 30, 1922 Deduct Amounts of this Column from Amounts in Total Received	Treasurer's Balances Sept. 30, 1922	Warrants Outstanding Deduct Amounts of this Column from Amounts in Treasurer's Balances	Auditor's Balance Sept. 30, 1922
General.....	\$241,761 62	\$11,804,475 32	\$12,046,236 94	\$11,434,086 34	\$562,150 60	\$297,688 97	\$264,461 63
Road.....	2,312 61	3,030,977 46	3,033,290 07	3,030,454 11	2,835 96	2,835 96	78,582 34
Fire Marshal.....	70,724 07	62,622 77	133,346 84	54,764 50	78,582 34	.....	1,860,712 12
Highway Commission.....	1,299,959 93	7,029,864 83	8,329,824 76	6,439,670 39	1,890,154 37	29,442 25	19,706 02
Hydrophobia.....	16,284 85	22,070 14	38,354 99	18,567 51	19,787 48	81 46	64,965 93
Vocational Education.....	58,815 60	337,944 33	396,759 93	317,125 60	79,634 33	14,663 40	656,733 87
School Revenue for Tuition.....	227,447 45	4,442,817 11	4,670,264 56	4,013,510 69	656,753 87	.....	.....
Benevolent Institution.....	.....	3,395,745 31	3,395,745 31	3,395,745 31	.....	.....	.....
State Debt Sinking.....	340,000 00	.....	340,000 00	340,000 00	.....	.....	.....
Educational Institution.....	307,833 71	2,233,475 18	2,541,308 89	2,472,938 11	68,370 78	.....	68,370 78
Uncollected Estates.....	47,310 11	489 56	47,799 67	151 65	47,648 02	85 02	47,563 00
Common School.....	10,657 99	14,291 63	24,949 62	.....	11,517 12	.....	11,517 12
Sale State Lands.....	11,446 47	617 75	12,064 22	547 10	.....	.....	.....
Escheated Estates.....	.....	.....	.....	.....	.....	.....	.....
Reclamation State Lands.....	.....	.....	.....	.....	.....	.....	.....
Swamp Lands.....	.....	.....	.....	.....	.....	.....	.....
Permanent Endowment I. U., Principal.....	.....	45,871 72	45,871 72	45,871 72	.....	.....	.....
Permanent Endowment I. U., Interest.....	.....	43,408 40	43,408 40	.....	43,408 40	.....	43,408 40
State Teachers Retirement.....	.....	.....	.....	.....	.....	.....	.....
College Fund, Interest.....	.....	.....	.....	.....	.....	.....	.....
World War Memorial.....	180,425 20	400,175 54	580,600 74	7,230 51	573,380 23	405 00	572,975 23
Auto Theft Fund.....	260,673 77	181,351 78	442,025 55	118,975 44	323,050 11	4,014 18	319,035 93
Agricultural Experiment Station.....	.....	115,550 15	115,550 15	57,775 07	57,775 08	.....	57,775 08
TOTAL.....	\$3,075,653 38	\$33,161,748 98	\$36,237,402 36	\$31,797,404 05	\$4,439,998 31	\$349,221 24	\$4,090,777 07

REPORT OF THE STATE BOARD OF ACCOUNTS

MEMBERS OF THE BOARD

WARREN T. McCRAY, Governor.
WILLIAM G. OLIVER, Auditor of State.
JESSE E. ESCHBACH, State Examiner.

DEPARTMENT OF INSPECTION AND SUPERVISION OF PUBLIC OFFICES

JESSE E. ESCHBACH, State Examiner.
LAWRENCE F. ORR, Deputy Examiner.
WALTER G. OWENS, Deputy Examiner.

The public accounting law of Indiana is very generally endorsed today and we believe it to be the best and most economical accounting law of any State in the Union.

The board consists of the Governor and the Auditor of State, who are members ex officio, and a State Examiner, appointed by the Governor for a term of four years. The chief executive officer of the State Board of Accounts is the State Examiner, who is assisted in the administrative work of the office by two deputy examiners. The duties of the State Board of Accounts are to prescribe and install a uniform system of accounting and reporting for all public offices and institutions which will exhibit in clear, succinct and understandable form all receipts and expenditures of public money, the use and disposition of public property, and the sources of all public revenue; to determine the validity of all financial transactions involving public money; to formulate all statements and reports required for the internal administration of any public office; to conduct periodical examinations of the financial operations of every state, county, township, city and town office, as well as all public service industries, such as municipal light and water plants; to recover all public money unlawfully obtained by any public official by fraud, delinquency, negligence, speculation, ignorance or misunderstanding; and to guide and assist public officials in the discharge of the duties of their respective offices by the promulgation of administrative orders, rulings and regulations and the construction and interpretation of the statutes under which they are required to operate.

UNIFORM ACCOUNTING

In compliance with the provisions of the public accounting law, the State Board of Accounts has developed, prescribed and installed a uniform and simplified system of bookkeeping and accounting for each of the public offices and state institutions of Indiana. Under this system, less time is required than formerly to keep public records.

FIELD EXAMINERS

The work of examining and investigating public offices and installing public records is assigned to field examiners, who are appointed by

the State Examiner. All candidates for the position of field examiner are required to pass an open, competitive examination, are selected on account of their integrity and ability and are assigned to duty in pairs, representing opposite political parties. At the close of each examination the field examiners confer with the officer whose records have been examined and verify each item of error charged against him; if the officer's explanation is satisfactory, credit is given for all items satisfactorily explained and the officer may then pay the amount of the remaining errors to the proper authority and be given proper credit. Approximately 85% of all errors and irregularities have been settled with delinquent officials in this manner by the field examiners. The discrepancies disclosed in public records by the field examiners are largely due to mistakes and misinterpretations of the law, and public officers generally have displayed a spirit of willingness and frankness in the adjustment of discrepancies.

AUTHORITY OF THE BOARD

The board of accounts does not confine its activities exclusively to the auditing of accounts of public officers and the recovery of public funds which are knowingly or unwittingly misappropriated. A mere audit of public accounts will give no idea of the range or magnitude of the irregularities and malpractices which have obtained throughout the State in awarding public contracts, disbursing public money and carrying on public work. The official acts of the department have been based on the theory, amply sustained by the express provisions of the accounting law, that everything should be done which will aid public officials in preventing the waste of public funds and guarantee value received for each dollar of public money expended. The operation of the department in the discharge of these ancillary public functions has yielded the most beneficent results. Among the more conspicuous and flagrant abuses which the board of accounts has investigated and practically eliminated are the sale of "short weight" furnaces and bridges, vending of teachers' contracts, malpractices in the construction and repair of bridges and free gravel roads, and the practice of charging different prices for the same articles when sold under substantially identical conditions.

ROADS AND BRIDGES

The loss in construction of roads throughout the State aggregates millions of dollars. There are many instances where bridges did not contain the required amount of material as provided in the specifications, and were badly and improperly constructed; of short weights; of the construction of dredge ditches which did not comply with the plans and specifications; of short yardage of gravel and stone in the construction of roads; of various inferior materials and workmanship on public building contracts; of fictitious names carried on payrolls where no work was done at all; of the destruction of time sheets and time books; and of the endorsements of spurious checks to the extent of thousands of dollars by unsuspecting endorsers. These unfortunate conditions were made possible by the loose methods of doing business and the

opportunities which formerly existed by which frauds could be practiced by collusion among commissioners, gravel road engineers and contractors.

Many of these practices have been eliminated by the investigations and examinations conducted by the State Board of Accounts through its field examiners and civil engineers. One obstacle which stands in the way of further progress is the fact that many county surveyors are without any technical knowledge whatsoever with which to perform the duties of their office. Almost invariably, the county surveyors have charge of the plans and specifications for all bridges, turnpikes, roads, ditches, drains, levees and other surveying and engineering work. The value of public highways alone which are constructed annually under the supervision of the county surveyors aggregates three or four million dollars. The law provides a per diem for the official services of surveyors; as high as seven per diems have been charged for a single day; and the expense accounts vary 500% in some counties in comparison with other counties in performing the same services; bridge companies furnish plans and specifications free to the county surveyor, although the surveyor receives pay from the county for preparing such plans and specifications, and the surveyor then uses his influence with the board of commissioners in favor of such bridge companies. It is such intolerable practices as these which clearly demonstrate the necessity of an investigation as well as an audit and the election of men to the office of county surveyor of technical ability and known probity.

MUNICIPAL BUDGET SYSTEM

Under the provisions of the public accounting law, providing for the adoption and installation of complete forms, records and accounts for the proper conservation of all public expenditures, the State Board of Accounts is entrusted with the necessary authority to prepare forms for the estimate of receipts and expenditures for public offices, and the department has prepared a complete budget system for all county, city, town and township offices.

The adoption of the "budget system" as prescribed and installed by this department in the various offices throughout the state means a total saving of large sums of money annually and materially reduces the expense of examination of public offices by the State Board of Accounts. The president of the county council of one of the largest counties of the state asserted that by reason of the "budget system" prepared by the State Board of Accounts, they were enabled to reduce their appropriations more than \$100,000.00 in one year.

The statement has frequently been made by persons who do not understand the work of the department, that every dollar expended in its administration was a total loss to the state and its municipalities. For the information of those who insist upon measuring the value of the law in dollars and cents, we set out herein a condensed financial statement of the expense of the department and the total recoveries to the state and its municipalities for the fiscal year ending September 30, 1922.

While it is shown there has been recovered and returned to the different municipalities, as the result of our examinations, \$163,816.29 over and above the total expense of the department, the preventive and repressive effect has been worth many times this amount to the taxpayers of the state.

STATE BUDGET

The General Assembly of 1921 enacted a law providing for a budget report and a budget bill to be prepared by the State Examiner and submitted by him to the Governor for transmission to the General Assembly.

Under the provisions of this act, each and every department of the state government, except the General Assembly, shall submit to and file with the State Examiner of the State Board of Accounts written statements showing appropriations, expenditures and income of each of such departments for the fiscal biennium ending on the 30th day of September next preceding the filing of such statement and estimates of necessary expenditures, appropriations, etc., for the fiscal biennium beginning on the first day of October of the calendar year next succeeding the filing of such statement. From such statements, the State Examiner will submit to the Governor his report of recommended expenditures and sources of income for the last designated fiscal biennium.

The act repeals the law creating a visitation committee and it necessarily becomes the duty of the State Examiner personally to visit each institution and department of the state government and be prepared wisely to advise the Governor and General Assembly upon all matters contained in said report.

STATE BOARD OF ACCOUNTS

STATEMENT OF CHARGES AND SETTLEMENTS FOR FISCAL YEAR ENDING SEPTEMBER 30, 1922

Charges pending in department October 1, 1921.....	\$396,435 20
Charges docketed during year ending September 30, 1922.....	584,134 61
Total	\$980,569 81
Adjusted by field examiners.....	\$162,883 61
Paid to department	195 00
Paid to municipalities	28,330 78
Total payments	\$191,409 39
Credits on explanation	7,291 00
Certified to Governor	226,607 68
Pending settlement October 1, 1922.....	555,261 74
	\$980,569 81

REPORTS CERTIFIED AND RECALLED

Pending settlement October 1, 1921	\$13,318 84
Recalled during year ending September 30, 1922.....	143,622 12
Total	\$156,940 96
Settled	\$100,000 00
Pending October 1, 1922.....	56,940 96
	156,940 96

CERTIFIED REPORTS

Pending settlement October 1, 1921.....	\$492,485 73
Certified during year ending September 30, 1922.....	226,607 68

Total	\$719,093 41
Recalled by department	\$143,622 12
Collected by Attorney-General	6,835 16
Dismissed by Attorney-General	122,781 48
Pending settlement October 1, 1922.....	445,854 65
	<hr/> 719,093 41

RECOVERIES

By department	\$291,409 39
Interest collected	48 72
By Attorney-General	6,835 16
Total	<hr/> \$298,293 27

OFFICE SALARIES AND EXPENSES, OCTOBER 1, 1921, TO SEPTEMBER 30, 1922

SALARIES

State Examiner	\$4,000 00
Deputy Examiners (2)	6,000 00
Clerical and Expert Assistants.....	6,745 00
Total salaries	<hr/> \$16,745 00

EXPENSES

Traveling	\$748 32
Postage	574 00
Telephone and telegraph	216 39
Express and freight	40
Miscellaneous	181 96
Total expense	<hr/> 1,721 07
Total office salaries and expense	<hr/> \$18,466 07

FIELD EXAMINERS

Per diem	\$113,926 25
Railroad fare	2,037 54
Special expense	47 10
Total	<hr/> 116,010 89
Total expense of department.....	<hr/> \$134,476 96

BUDGET DEPARTMENT

SALARIES

State Examiner	\$2,000 00
Budget Clerk	3,600 00
Stenographer	119 00
Total	<hr/> \$5,719 00
Traveling expense	94 24
Total	<hr/> 5,813 24
Total expense of department, including budget.....	<hr/> \$140,290 20

STATEMENT OF APPROPRIATIONS AND EXPENDITURES

	Appropriated	Disbursed	Reverting
State Examiner	\$4,000 00	\$4,000 00	\$0 00
Deputy Examiners (2)	6,000 00	6,000 00	00
Legal clerk	3,000 00	00	3,000 00
Clerical and expert assistants	14,500 00	6,745 00	7,755 00
Office and traveling	4,200 00	1,721 07	2,478 93
Totals	\$31,700 00	\$18,466 07	\$13,233 93

RECAPITULATION

Total recoveries	\$298,293 27
Total expense	\$134,476 96
Recoveries over and above expense	\$163,816 29

REPORT OF THE STATE BOARD OF CERTIFIED ACCOUNTANTS

JESSE E. ESCHBACH, President.

LAWRENCE F. ORR, Secretary.

WALTER G. OWENS, Treasurer.

Due to the efforts of Senator C. O. Holmes of Gary, in co-operation with the State Board of Certified Accountants, the 1921 legislature enacted a certified public accountant law which supersedes the 1915 act and is more in keeping with the present-day needs of the accountant and the operations of the State Board of Certified Accountants of Indiana. The new law became effective March 10, 1921, with the approval of the Governor.

The chief purpose of the 1921 law is to elevate the standards of accountancy in Indiana by a close co-operation with other states on a national and uniform basis in holding C. P. A. examinations.

The State Board of Certified Accountants accepted the plan offered by the American Institute of Accountants and conducted its first examination under said plan in November, 1919. Examinations followed in May and November, 1920, under the same arrangements. The board realized that the plan was far more beneficial to accountants than at first anticipated and having operated under said plan could not afford to drop it. Consequently the 1921 law was written in order that the board might have full authority to make rules and requirements tending toward the closest possible national co-operation.

At present, there are thirty-eight states, including Indiana, co-operating with the American Institute of Accountants. Examinations covering a period of two days are held the middle of May and November each year on exactly the same days, the same hours, and with the same questions in all of said states. Manuscripts submitted by candidates so examined are graded by the board of examiners of the institute and certificates are issued to applicants whom the examiners of the institute have declared successful.

The Indiana law provides that a citizen of the United States or a person who has duly declared his intention of becoming such citizen, not less than twenty-one years of age; of good moral character; a graduate of a high school or having received an equivalent education,

with at least three years' experience in the practice of accounting and who has received from the State Board a certificate of his qualifications to practice as a public accountant shall be styled and known as a certified public accountant.

Under the provisions of the law, the board is required to hold semi-annual examinations for candidates desiring to obtain Indiana certificates. The board is also given authority to issue certificates without examination to applicants who hold certificates issued by other states, provided that the requirements of such other states for obtaining C. P. A. certificates are substantially the same as those provided by the Indiana C. P. A. law and the rules of the board, and provided further that such states will agree to enter into reciprocal relations with the Indiana board. The board is also granted authority to issue certificates without examination to members of the American Institute of Accountants.

As a result of the 1921 law and the plan of co-operation with other states under the American Institute of Accountants, the number of candidates has steadily increased and as a fee of \$25.00 is required of each applicant for a certificate, a substantial sum is paid into the state treasury each year. The law provides that the amount in excess of \$100.00 at the end of the fiscal year shall be paid into the state treasury after all expenses of the board have been met. Fees on hand from candidates whose applications have not been passed upon by the board are also retained in the treasury at the end of the year.

The purpose of the State Board of Certified Accountants of Indiana is to maintain a high standard of accountancy. The Indiana certificate is attained through merit and qualifications and is unexcelled by any C. P. A. certificate issued in the United States.

FINANCIAL STATEMENT

RECEIPTS

Oct. 1, 1921—Balance in treasury of the board.....	\$125 00
Application fees received	4,100 05
Depository interest	35 51
Total	\$4,260 56

DISBURSEMENTS

Salary of secretary and treasurer	\$400 00
Fees refunded	725 00
Office and examination expense	1,406 76
Sept. 30, 1922—Paid treasurer of state	1,278 80
Balance retained in treasury of board	450 00
Total	\$4,260 56

REPORT OF THE INDUSTRIAL BOARD

MEMBERS OF BOARD

SAMUEL R. ARTMAN, Chairman, Lebanon.
KENNETH L. DRESSER, Peru.
CHARLES FOX, Terre Haute.
THOMAS A. RILEY, Indianapolis.
THOMAS ROBERTS, Indiana Harbor.
LELAND K. FISHBACK, Secretary, Richmond.

PERSONNEL OF COMPENSATION DEPARTMENT

LELAND K. FISHBACK, Secretary.
FLORA PAETZ, Reporter.
BUREN BOUNELL, Reporter.
MAUREE SONDAY, Reporter.
IDA DROSDOWITZ, Reporter.
JULIA D. BARNARD, Agreement Clerk.
MURRELL BRITTON, Accident Clerk.
FRANCES SARTOR, Insurance Clerk.
EMMA HUPKE, Bookkeeper and License Clerk.
LUCY H. BALCOM, File Clerk.
JESSE LOWES, Insurance Clerk.
ALICE MOODY, Stenographer.
ELLEN O'BRIEN, Receipt Clerk.
EDITH WAGAMAN, Receipt Clerk.
HELEN TROUTMAN, Statistical Clerk.

FACTORY, BUILDING AND WORKSHOP INSPECTION DEPARTMENT

JAMES E. REAGIN, Chief, Terre Haute.
E. C. CALLAHAN, Assistant, Terre Haute.
WM. H. HENDRICKSON, Assistant, Connersville.
E. T. LOVE, Assistant, Elwood.
WILBUR NUSBAUM, Assistant, Gary.
ELMER YOCUM, Assistant, Indianapolis.
LUCILE O'BRIEN, Stenographer, Peru.

BOILER INSPECTION DEPARTMENT

BENJAMIN W. BISSELL, Chief, Indianapolis.
OLIVER M. MARSH, Assistant, New Albany.
JOHN P. CONNAUGHTON, Assistant, Indianapolis.
GEORGE BUNGARD, Assistant, Terre Haute.
CHARLES R. RAGSDALE, Assistant, Bedford.
LUCILE O'BRIEN, Stenographer, Peru.

MINE INSPECTION DEPARTMENT

CAIRY LITTLEJOHN, Chief, Hymera.
ALBERT DALLY, Assistant, Knightsville.
JOHN ELLISON, Assistant, Winslow.

THOMAS GILLESPIE, Assistant, Bicknell.
 JOHN STEVELY, Assistant, Clinton.
 S. J. WILTON, Assistant, Rockville.
 FLORENCE BIGGS, Stenographer.

DEPARTMENT OF WOMEN AND CHILDREN

MRS. LUELLA COX, Director, East Chicago.
 SARAH L. PROCTOR, Investigator, Union City.
 EDITH VENN, Investigator, Indianapolis.
 BERYL REED, Stenographer and Clerk, East Chicago.

FREE EMPLOYMENT DEPARTMENT

THOMAS A. RILEY, Director, Indianapolis.
 BLANCHE E. METZKER, Stenographer and Clerk, Muncie.

FINANCIAL.

1. Receipts.

a. License fees	\$16,189 67
b. Transcripts	1,260 75
c. Water craft inspections.....	300 00

Total \$17,750 42

2. Appropriations.

a. Regular (Acts 1921, p. 76).....	\$112,000 00
b. Special mine (Acts 1921, p. 876).....	Indefinite
c. Special blank (Acts 1921, p. 349).....	Indefinite

3. Disbursements.

a. From regular appropriation.....	\$79,970 44
b. From special mine appropriation.....	17,931 84
c. From special blank appropriation.....	516 34

Total \$98,426 62

RECAPITULATION.

Regular appropriation	\$112,000,00
Paid out	79,970 44
Balance reverting to treasury.....	\$32,021 56
Paid from all appropriations.....	98,426 62
Balance of regular appropriation in excess of all disbursements	13,573 38

COMPENSATION DEPARTMENT

INJURIES

Section 67 of the Indiana Workmen's Compansation Act requires all the employers of the state, within one week from the date of injury, to report to the Industrial Board each injury of an employe, causing the absence of such employe from work for more than one day.

During the fiscal year beginning on the first day of October, 1921, and ending on the 30th day of September, 1922, 38,604 of such injuries were so reported, which is an increase of 4,235 over the number reported for the year previous.

Of the 38,604 accidents reported during the year there were 198 workmen killed, 609 workmen suffered the loss of some member of the body, 3,653 workmen were injured in mining coal, 35 of these cases resulted in the death of the miner. The railroad companies reported 3,131 accidents to their employes, 18 resulting in fatalities. The automobile industries reported 3,183 accidents; two of these resulted fatally. In the manufacture of iron, steel and wire 2,850 employes were injured; 19 of these accidents caused death.

The injury-reporting provisions of the law became effective on the first day of September, 1915.

The injuries reported for each month between the 31st day of August, 1915, and the first day of October, 1922, are as follows:

September, 1915	1,783		November, 1918	2,604	
October, 1915	2,717		December, 1918	2,900	
November, 1915	2,594		January, 1919	2,721	
December, 1915	2,696		February, 1919	2,508	
January, 1916	2,684		March, 1919	2,378	
February, 1916	2,830		April, 1919	2,551	
March, 1916	3,114		May, 1919	2,597	
April, 1916	2,963		June, 1919	2,671	
May, 1916	3,394		July, 1919	3,493	
June, 1916	3,415		August, 1919	3,689	
July, 1916	3,607		September, 1919	3,696	
August, 1916	4,379				35,229
September, 1916	3,496		October, 1919	3,925	
		39,672	November, 1919	3,351	
October, 1916	3,838		December, 1919	3,325	
November, 1916	3,631		January, 1920	3,444	
December, 1916	3,265		February, 1920	3,266	
January, 1917	3,835		March, 1920	3,664	
February, 1917	3,223		April, 1920	3,533	
March, 1917	3,705		May, 1920	3,232	
April, 1917	3,123		June, 1920	3,746	
May, 1917	3,366		July, 1920	3,954	
June, 1917	3,256		August, 1920	3,706	
July, 1917	3,592		September, 1920	3,848	
August, 1917	3,778				42,994
September, 1917	3,320		October, 1920	4,109	
		41,932	November, 1920	3,402	
October, 1917	3,552		December, 1920	3,166	
November, 1917	3,482		January, 1921	2,857	
December, 1917	2,881		February, 1921	2,362	
January, 1918	2,772		March, 1921	2,679	
February, 1918	2,516		April, 1921	2,435	
March, 1918	2,976		May, 1921	2,536	
April, 1918	2,702		June, 1921	2,559	
May, 1918	3,294		July, 1921	2,617	
June, 1918	3,207		August, 1921	3,040	
July, 1918	3,143		September, 1921	2,734	
August, 1918	3,592				34,396
September, 1918	3,403		October, 1921	3,064	
		37,520	November, 1921	2,696	
October, 1918	3,421		December, 1921	2,673	

January, 1922	2,633	July, 1922	3,663
February, 1922	2,492	August, 1922	4,116
March, 1922	3,023	September, 1922	4,325
April, 1922	2,933		
May, 1922	3,258		38,604
June, 1922	3,728	Grand total	270,347

This covers a period of seven years and one month, eighty-five months, or 2,187 calendar days. In round numbers there were 124 injuries reported for each calendar day—more than five for each hour and more than one for each twelve minutes.

Of the above injuries fatals were included as follows:

Between August 31, 1915, and October 1, 1916.....	268
Between September 30, 1916, and October 1, 1917.....	305
Between September 30, 1917, and October 1, 1918.....	373
Between September 30, 1918, and October 1, 1919.....	268
Between September 30, 1919, and October 1, 1920.....	291
Between September 30, 1920, and October 1, 1921.....	263
Between September 30, 1921, and June 1, 1922.....	198
Total	1,966

which means that, for 85 months, one employe was killed by an accident in his employment in each 27 hours.

AVERAGE WEEKLY WAGE

In making reports of accidents the employers are required to give the average weekly wages of the injured employe. The wages of all employes injured during each month were averaged by us and are as follows:

Month	Wage	Month	Wage
October	\$25 04	April	\$24 10
November	26 06	May	23 49
December	26 07	June	23 52
January	26 30	July	23 37
February	25 93	August	23 70
March	26 32	September	25 59

Average weekly wage, \$24.95.

The average weekly wage for the year previous was \$28.65.

There were 1,321 women injured in industry whose weekly wages averaged \$13.07. Three hundred thirteen children under sixteen years of age were injured and the average weekly wage in these cases was \$12.10.

COMPENSATION ADJUSTMENTS

Under the act there are two methods of compensation adjustment, one by voluntary agreement between the employer and employe to be approved by the Industrial Board as provided in Section 57; the other in contested cases by formal hearing and award made as provided in Sections 58, 59, 60 and 61.

(a) Settlements of Agreement

Settlements by agreement have been made as follows:

Between August 31, 1915, and September 1, 1916.....	8,297
Between August 31, 1916, and October 1, 1917.....	11,748
Between September 30, 1917, and October 1, 1918.....	14,806
Between September 30, 1918, and October 1, 1919.....	14,304
Between September 30, 1919, and October 1, 1920.....	18,545
Between September 30, 1920, and October 1, 1921.....	17,838
Between September 30, 1921, and October 1, 1922.....	18,416

Total between August 31, 1915, and October 1, 1922..... 103,954

which is an average of 47 plus for each calendar day during which the compensation provisions of the act have been in force.

(b) Awards in Contested Cases

Between August 31, 1915, and October 1, 1921.....	6,090
Between September 30, 1921, and October 1, 1922.....	1,405

Total between August 31, 1915, and October 1, 1922..... 7,495

which is an average of 3 plus for each calendar day of the same period.

LUMP SUM SETTLEMENTS

Compensation is payable in weekly installments, except that, by the provisions of Section 43, after the lapse of twenty-six compensation weeks and the payment in full of twenty-six weeks' compensation, the present value of the whole or any part of the remainder thereof, in unusual cases, may be paid in a lump upon agreement approved by the Industrial Board.

In case of permanently disabling injuries of a minor the board may order a lump sum payment at any time.

Within the year lump sum payments were approved and ordered in 149 cases, amounting to \$123,794.53.

COMPENSATION BENEFITS

Between August 31, 1915, and October 1, 1922, compensation has been paid in closed cases, that is in cases in which the compensation period either has expired or in which the full compensation liability has been discharged in lump sum settlements, as follows:

Between August 31, 1915, and October 1, 1916.....	\$267,401 03
Between September 30, 1916, and October 1, 1917.....	582,435 85
Between September 30, 1917, and October 1, 1918.....	914,426 86
Between September 30, 1918, and October 1, 1919.....	1,090,737 83
Between September 30, 1919, and October 1, 1920.....	1,186,303 60
Between September 30, 1920, and October 1, 1921.....	1,790,141 96
Between September 30, 1921, and October 1, 1922.....	2,356,055 90
Paid in cases in which the compensation period has not expired and in which the full compensation has not been paid in lump sums.....	1,573,269 54
Burial benefits in 1,966 cases, at \$100.00 each (the amount the employer is required to contribute)	196,600 00
Medical benefits in 270,347 cases, at \$14.00 each (which is the average medical expense per injury, as nearly as can be ascertained, and includes the fees of physicians, hospital charges, nurse charges and the cost of supplies)	3,784,858 00

Total\$13,742,230 57

Separate reports for the Departments of Factory, Building and Workshop Inspection, Boiler Inspection, Mine Inspection, Women and Children and Free Employment are filed herewith as Exhibits A, B, C, D and E.

DEPARTMENT OF FACTORY AND BUILDING INSPECTION

PERSONNEL

JAMES E. REAGIN, Chief Inspector, Terre Haute.
 LUCILLE C. O'BRIEN, Secretary, Indianapolis.
 EUGENE CALLAHAN, Assistant Inspector, Terre Haute.
 WILLIAM HENDRICKSON, Assistant Inspector, Connersville.
 EDWARD T. LOVE, Assistant Inspector, Elwood.
 OLIVER P. MARSH, Assistant Inspector, New Albany.
 J. E. STICKELMAN, Assistant Inspector, Evansville.
 ELMER L. YOCUM, Assistant Inspector, Indianapolis.
 WILBUR NUSBAUM, Assistant Inspector, Gary.

Following is the annual report for the year ending September 30, 1922:

	Inspections	Consultations	Men	Orders Issued	Months on Duty
Eugene Callahan.....	764	14	17,588	1,193	12
William Hendrickson.....	593	10	17,079	1,354	12
Edward T. Love.....	416	32	25,954	1,300	12
Oliver P. Marsh.....	43	2	1,872	50	1
Wilbur Nusbaum.....	690	22	70,232	2,410	12
J. E. Stickelman.....	530	37	13,404	617	11
Elmer L. Yocum.....	551	64	27,383	924	12
TOTAL.....	3,587	181	173,512	7,848	72

Mr. J. E. Stickelman, Assistant Inspector, Evansville, was succeeded by Mr. Oliver P. Marsh, New Albany on September 30, 1922.

Number of fire escapes ordered.....	41
Number of fire escapes approved.....	20
Hotels inspected.....	91
Schools inspected.....	52
Theatres inspected.....	40
Watercraft.....	59
TOTAL.....	303

It is gratifying to report the wonderful increase in activities shown in factories and workshops, in fact, in all industrial centers relative to the employment of persons.

Since submitting the report of 1921, we have found the increase in the added employes to average as high as 300% over last year and, in view of this fact, the number of employes fatally injured was 140, which in comparison to the number of employes shows a very small per cent pro rata.

There have been numerous accidents due to elevators, both passenger and freight, and upon investigation we found that almost every accident due to the elevator has been through neglect. Statistics show a larger number of accidents than in former years, but this is due to

closer supervision being brought about by the co-operation of the employer. In all well regulated establishments, they have a first aid where all accidents, whether minor or otherwise, are reported. In view of the fact that this practice is becoming more thorough leaves the impression that the number of accidents is increasing yearly, which is not correct. It just means that they are being given more attention.

The Inspection Department of the Industrial Board is authorized to inspect all places where the public assembles and, in view of the fact that the factories are experiencing a very heavy business at this time, there is more time being devoted to these industries.

In making inspection, we are pleased to commend the attitude of the employer in complying with our department orders which, with such co-operation, is bound to reduce the number of accidents in the State of Indiana to a minimum.

REPORT OF BOILER DEPARTMENT

PERSONNEL

J. F. GEIGER, Chief Inspector, Princeton, was succeeded on April 1, 1922, by

WILLIAM V. GRIFFER, Indianapolis.

BERTHA M. BYERS, Secretary, was succeeded on April 1, 1922, by LUCILLE C. O'BRIEN, Indianapolis.

J. P. CONNAUGHTON, Assistant Inspector, Indianapolis.

WILLIAM V. GRIFFER, Assistant Inspector, Indianapolis, was succeeded on May 1, 1922, by

C. R. RAGSDALE, Mitchell.

CHARLES HULL, Assistant Inspector, South Bend, resigned on May 22, 1922.

THOMAS GRIFFITHS, Assistant Inspector, Logansport, resigned on October 31, 1921, and was succeeded on May 1, 1922, by

GEORGE E. BUNGARD, Terre Haute.

The following annual report of the Department of Inspection of Boilers is submitted for the fiscal year ending September 30, 1922:

STATISTICAL ANALYSIS.

Showing the number of boilers inspected, recommendations and number of boilers condemned by the state inspectors:

	Inspections	Recommendations	Condemned
J. P. Connaughton.....	919	696	69
William V. Griffer.....	501	215	11
Thomas Griffiths.....	38	11	.....
Charles Hull.....	521	71	1
C. R. Ragsdale.....	404	211	2
George E. Bungard.....	411	81	.....
TOTAL.....	2,794	1,285	83

Approximately 11,000 internal inspections and 12,000 external inspections were made by the various boiler insurance companies operating in the state under the supervision of this department. Manufacturers' data reports on about 1,600 boilers were checked, and in a number of cases it was necessary to withhold admission for use in the state, as they did not comply with the state requirements.

It is impossible for the average person to realize the importance and value of the above statistics in the prevention of loss of life and property. Most boiler users and manufacturers desire safe boilers and careful operation. There is always present the negligent, ignorant and avaricious who have not thought of their fellowmen. The protection rendered from this class of manufacturers, users and dealers cannot be covered in the above report.

The state law, Chapter 111, Section 4 (a) and (b), states: "(a) It shall be the duty of the deputy inspector of the department of boilers to inspect or cause to be inspected internally, at least once every six months, all steam boilers, tanks, jacket kettles, generators and other apparatus used for generating or transmitting steam for power, or for using steam under pressure for heating or steaming purposes, and all other tanks or jacket kettles and reservoirs under pressure, of whatsoever kind. (b) Boilers used less than six consecutive months in each year, and boilers used solely for heating purposes and carrying less than twenty-five pounds pressure, shall be inspected internally at least once a year."

This is an impossibility with the present force of inspectors and office force.

Many boilers are shipped into the state unrecorded; old, dangerous boilers are installed without inspection, and inadequate records are kept of present inspections. It is impossible to follow up orders given, and delinquent inspections.

The present boiler laws are contradictory, indefinite and confusing. They make the farmer, the average citizen, pay for protection from a hazard which he does not create. This should be paid for by the parties causing the hazard. A new uniform boiler law should be enacted which will reduce the cost of boilers by standardization of manufacture and place the cost of carrying out these laws on the proper parties.

The above statistics were compiled and the recommendations made by Benjamin W. Bissell, Chief Inspector, succeeding William V. Griffer on October 1, 1922.

REPORT OF THE DEPARTMENT OF MINES AND MINING PERSONNEL

CAIRY LITTLEJOHN, Chief Deputy Inspector, Indianapolis.

FLORENCE WHITE, Secretary, Indianapolis.

A. C. DALLY, Assistant Inspector, Knightsville.

JOHN ELLISON, Assistant Inspector, Winslow.

THOMAS GILLESPIE, Assistant Inspector, Bicknell.

JOHN STEVELY, Assistant Inspector, Clinton.

S. J. WILTON, Assistant Inspector, Carbon.

The condition of the major mines of Indiana has shown a steady improvement during the past year as regards ventilation and safety conditions.

The personnel of the codifying commission appointed by Governor Warren T. McCray, authorized by an act of the legislature approved March 11, 1921, is as follows: William Johnson, of Indianapolis; Henry Adamson, representing the operators; John Hessler and William Mitch, of Terre Haute, representing the miners; S. J. Wilton and Cairy Littlejohn, representing the Department of Mines. The codifying commission was organized under the terms of the act by electing Cairy Littlejohn chairman and S. J. Wilton secretary.

There was a general strike of the major mines beginning April 1, 1922, and continuing until the latter part of August.

There are approximately 500 small mines employing less than ten men, which produced approximately 1,500,000 tons of coal during the year, operating generally during the strike of the major mines.

There has been no great mine disaster in this state during the year.

The production of coal during the working period has averaged with the preceding three or four years.

The teaching of first-aid in the schools of Indiana, especially in the mining districts, is being carried on in many localities and we hope to get it generally established in industrial centers. The first-aid movement is being encouraged at all the mines and many operators are requiring their bosses to take training in rendering first-aid.

FATAL ACCIDENTS FISCAL YEAR ENDING SEPTEMBER 30, 1922

MONTH	Fall of Roof	Exploding and Windy Shots	Striking Head on Boulder, Etc.	Falling Down Shaft	Motors and Mine Cars	Explosion of Powder	Mine Animals	Contact Live Wire	Mining Machines	Falls of Persons	Overcome by Gas	Mis- cellaneous	Total
October.....	1	2	1	1	1	2							4
November.....		3					1						7
December.....	2												3
January.....	2	3			2								7
February.....	2						1	1	1				5
March.....	2				2								4
April.....													
May.....													
June.....													
July.....													
August.....	1		1							1			3
September.....					1						1	1	3
GRAND TOTAL.....	10	8	2	1	6	2	2	1	1	1	1	1	36

NOTE: There were also 4 fatal accidents in mines employing less than 10 men and 4 deaths in the mines due to natural causes.

GEOLOGICAL TABLE

EXHIBITING BY COUNTIES THE NAMES OF THE VARIOUS COAL COMPANIES, THE NAME OF THE MINE, THE DEPTH OF THE OVERLYING STRATA, THE GEOLOGICAL NUMBER OF THE SEAM BEING OPERATED, THE THICKNESS OF THE SEAM AND THE CHARACTER OF THE COAL

CLAY COUNTY

NAME OF COMPANY	NAME OF MINE	Depth of Overlying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
American Vitrified Co.	No. 1.	75'	IV	2' 6"	Block
Bays-Logan Coal Company.	Red Rag.	49'	V	7' 6"	Bituminous
Big Vein Mining Company.	Lewis No. 1.	80'	V	8' 6"	Bituminous
Bolt & Son Coal Company.	Bolt No. 1.	63'	V	7'	Bituminous
Brazil Clay Company.	No. 1.	110'	Rider	1' 3"	Block
Brazil Collieries Co.	No. 2.				
Brazil District Mining Co.	Hamlin-Heck.	40'	III	7' 8"	Bituminous
Chimax Coal & Clay Co.	No. 1.	80'	III	2' 11"	Bituminous
Coal Bluff Mining Co.	Plymouth No. 2.	15'	III	3' 6"	Block
Interurban Coal Company.	Cloverland.	78'	III	6' 6"	Bituminous
Kunkleman & Bennie Co.	Primrose No. 3.	30'	IV	5'	Bituminous
Marmon, McBride & Hyde.	Hyde No. 1.				Bituminous
Miller Coal Company.	Miller No. 1.	68'	III	7' 2"	Bituminous
Rowland-Power Collieries.	No. 6.	55'	III	7' 6"	Bituminous
Rowland-Power Collieries.	Old Glory No. 8.	56'	Lower Vein	4'	Block
South Side Coal Company.	No. 1.	59'	V	7'	Bituminous
United 4th Vein Coal Co.	Island Valley.	155'	III	6'	Bituminous
White Ash Coal Company.	No. 1.				Bituminous
Hydraulic Press Brick Co.	No. 1.	35'	Block	3' 6"	Block

DAVISS COUNTY

Commerce Coal Company.	Thrifty No. 1.				Bituminous
Daviess County Fuel Co.	Montgomery No. 4.	96'	V	5' 6"	Bituminous
Green Mound Coal Co.	Thrifty No. 2.	45'	V	6'	Bituminous
Oak Grove Coal Company.	No. 1.	90'	IV	4'	Bituminous
Riverview Coal Company.	Riverside No. 1.		V	5' 4"	Bituminous
South Washington Coal Co.	Sunnyside.				Bituminous
White River Mining Co.					Bituminous

GIBSON COUNTY

Big Four Coal Company.	Liberty.	204'	V	6' 6"	Bituminous
Bosse Coal Company.	Bucks skin No. 2.	225'	V	6'	Bituminous
Fort Branch Coal Co.	No. 1.	400'	V	5' 8"	Bituminous
Francisco Mining Co.	Francisco No. 1.				Bituminous
Oakland Coal Company.	Gudgel.	125'	V	5' 6"	Bituminous
Princeton Coal Co.	No. 1.	440'	V	6'	Bituminous
Francisco Coal Mining Co.	No. 2.	282'	V	6' 6"	Bituminous

GREENE COUNTY

Ayrdale Coal Company.	Antioch No. 2.	60'	V	5' 4"	Bituminous
Big Twelve Coal Company.	No. 1.				Bituminous
Bon Ayr Coal Company.	Bon Ayr No. 1.	127'	IV	5'	Bituminous
Booher Coal Company.	Booher No. 1.	36'	IV	4' 10"	Bituminous
Calora Coal Company.	Calora No. 1.	84'	IV	4' 4"	Bituminous
Calora Coal Company.	Calora No. 2.	151'	III	6' 6"	Bituminous
Cathleen Coal Company.	Hoosier.				Bituminous
Coal Ridge Coal Company.	No. 1.				Bituminous
Green Valley Coal Co.	No. 1.	160'	IV	5'	Bituminous
Jewell Coal Company.	Jewell No. 2.	30'	V	7'	Bituminous
J. & M. Coal Company.	J. & M.	27'	V	6'	Bituminous
LeNoir Coal Company.	LeNoir No. 1.	160'	IV	4'	Bituminous
Linton-Summit Mining Co.	Twin Nos. 5 and 6.	35'	V	5'	Bituminous
Persons Coal Company.	Person No. 4.				Bituminous
Persons Coal Company.	Person No. 5.				Bituminous
Queen Coal & Mining Co.	Queen No. 2.	50'	V	6' 6"	Bituminous
Queen Coal & Mining Co.	Queen No. 3.	123'	IV	4'	Bituminous
Queen Coal & Mining Co.	Queen No. 4.	115'	IV	4' 3"	Bituminous
Sleepy Eye Mining Co.	No. 1.	125'	III	6'	Bituminous

GEOLOGICAL TABLE—Continued

GREENE COUNTY—Continued

NAME OF COMPANY	NAME OF MINE	Depth of Overlying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Spring Valley Coal Co.	No. 1.				Bituminous
Tower Hill Coal Company	No. 1.	133'	III	6'	Bituminous
United 4th Vein Coal Co.	Black Creek.	65'	IV	3' 6"	Bituminous
Vicksburg Coal Company	Robertson.				Bituminous
Vigo Mining Company	No. 6.	153'	IV	5' 4"	Bituminous
Bon Ayr Coal Company	No. 2.	114'	IV	5' 6"	Bituminous

KNOX COUNTY

American Coal Mining Co.	American No. 1.	300'	V	7' 6"	Bituminous
American Coal Mining Co.	American No. 2.	226'	V	7'	Bituminous
Columbia Coal Company	Columbia No. 2.	80'	VI	4' 4"	Bituminous
Indiana Power Company	Lynn No. 1.	100'	VI	4'	Bituminous
Indian Creek Coal Co.	No. 1.	270'	V	7'	Bituminous
Knox County 4th Vein Co.	Westphalia.	22'	IV	4' 9"	Bituminous
Oliphant-Johnson Coal Co.	No. 1.	410'	V	7' 6"	Bituminous
Panhandle Coal Co.	No. 5.	140'	V	5' 6½"	Bituminous
Panhandle Coal Co.	No. 6.	50'	VI	6' 5"	Bituminous
Ridge Coal Mining Co.	Knox.	207'	V	7'	Bituminous
Standard Coal Company	Wheatland.	238'	V	5' 6"	Bituminous
Howe-Coulter Coal Co.	Tecumseh No. 2.	154'	V	5' 6"	Bituminous
Howe-Coulter Coal Co.	Tecumseh No. 3.	240'	V	7' 6"	Bituminous
American Coal Mining Co.	No. 3.	262'	V	7'	Bituminous
River Valley Coal Co.	No. 1.	Slope	V	3'	Bituminous

SPENCER COUNTY

Fox Hill Coal Mining Co.	Fox Hill No. 1.				Bituminous
Oak Knob Mining Company	Oak Knob No. 1.				Bituminous

SULLIVAN COUNTY

Big Muddy Coal Company	Kettle Creek.	170'	VI	5' 10"	Bituminous
Birchwood Coal Company	Birchwood No. 1.		III	4' 6"	Bituminous
Busram Creek Coal Co.	Busram No. 1.	10'	VII	5'	Bituminous
Chicago-Carlisle Coal Co.	Carlisle.	305'	V	4' 8"	Bituminous
Chicago-Carlisle Coal Co.	Reliance.	228'	VI	6'	Bituminous
Dugger-Mutual Coal Co.	Keeley.	110'	VI	5' 6"	Bituminous
Ebbw Vale Coal Co.	Ebbw Vale.	250'	V	6'	Bituminous
Enterprise Coal Co.	No. 1 Black Comet.				Bituminous
Farmersburg Coal Co.	Rood.	115'	VII	5' 6"	Bituminous
Glendora Coal Co.	Baker.	200'	V	7' 6"	Bituminous
Hamilton Coal Co.	Hamilton No. 1.	75'	VI	5' 6"	Bituminous
Hamilton Coal Co.	Mohawk.	170'	V	5' 6"	Bituminous
Indiana & Illinois Corporation	Paxton No. 8.	323'	V	6' 11"	Bituminous
Hymera Coal Company	Hymera No. 2.	135'	V	7'	Bituminous
Jackson Hill Coal Co.	No. 4.	165'	VI	5' 8"	Bituminous
Jackson Hill Coal Co.	No. 7.	280'	V	5' 6"	Bituminous
Linton Coal Company	Little Betty.	233'	IV	6'	Bituminous
Republic Coal Co.	Hocking No. 2.	180'	VII	3' 10"	Bituminous
Rose Hill Coal Co.	No. 1.	25'	VI	5'	Bituminous
Rowland-Power Co.	Powers No. 7.	90'	VI	6' 1"	Bituminous
Shallow Valley Coal Co.	No. 1.				Bituminous
Shelburn Indiana Mining Co.	Virginia.				Bituminous
Six Veins Coal Co.	No. 1.				Bituminous
Six Veins Coal Co.	No. 2.				Bituminous
Star City Mining Co.	Star City No. 5.				Bituminous
Star City Mining Co.	Star City No. 7.				Bituminous
Steele-Kattman Coal Co.	Mayflower.	70'	V	6' 6"	Bituminous
Sunflower Coal Co.	No. 1.	104'	VI	5' 9"	Bituminous
Syndicate Coal Co.	No. 1.				Bituminous
Templeton Coal Company	Glendora No. 26.	300'	IV	5' 6"	Bituminous
Templeton Coal Company	Peerless No. 27.	148'	VI	6'	Bituminous
Templeton Coal Company	St. Clair No. 30.				Bituminous
Vandalia Coal Company	No. 10.	265'	IV	5' 6"	Bituminous

GEOLOGICAL TABLE—Continued

SULLIVAN COUNTY—Continued

NAME OF COMPANY	NAME OF MINE	Depth of Overlying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Vandalia Coal Company	No. 12	248'	V	8' 4"	Bituminous
Vandalia Coal Company	No. 16				Bituminous
Vandalia Coal Company	No. 17	311'	IV	4' 8"	Bituminous
Vandalia Coal Company	No. 23	104'	VI	5' 6"	Bituminous
Vigo Mining Company	No. 14	109'	VI	5' 9"	Bituminous
Vigo Mining Company	No. 15	120'	VI	5' 6"	Bituminous
Vigo Mining Company	No. 22	282'	IV	5'	Bituminous
Vigo Mining Company	No. 27	307'	IV	4' 8"	Bituminous
Vigo Mining Company	No. 28	211'	IV	6'	Bituminous
Vigo Mining Company	No. 29	88'	VI	5'	Bituminous
Wooley, J., Coal Co.	Mildred No. 2	125'	VI	5' 6"	Bituminous
Seventh Vein Coal Co.	Cummins	20'	VII	5'	Bituminous

VANDERBURGH COUNTY

Crescent Coal Company	Crescent No. 1	256'	V	4'	Bituminous
Diamond Coal Company	Diamond No. 1	247'	V	4'	Bituminous
Sunnyside Coal Company	Sunnyside No. 1	268'	V	4'	Bituminous

VERMILLION COUNTY

Bickett-Shirkie Coal Co.	No. 1	228'	V	4' 8"	Bituminous
Clinton Coal Company	Crown Hill No. 2		III		Bituminous
Clinton Coal Company	Crown Hill No. 3	345'	III	6'	Bituminous
Clinton Coal Company	Crown Hill No. 4	249'	IV	4' 6"	Bituminous
Clinton Coal Company	Crown Hill No. 5	182'	V	5'	Bituminous
Clinton Coal Company	Crown Hill No. 6	185'	V	4' 8"	Bituminous
Clinton Coal Company	Crown Hill No. 8	165'	V	4' 10"	Bituminous
Dana Coal Company	Dana No. 1	162'	V	4' 8"	Bituminous
Dering, J. K., Coal Co.	Dering No. 8	200'	IV	5' 3"	Bituminous
Essanbee Coal Company	Essanbee No. 1	183'	V	4' 8"	Bituminous
Essanbee Coal Company	Essanbee No. 3	349'	III	6'	Bituminous
Indiana & Illinois Coal Corp.	No. 1				Bituminous
Indiana & Illinois Coal Corp.	No. 2	164'	V	4' 8"	Bituminous
Indiana & Illinois Coal Corp.	No. 5	178'	IV	4' 6"	Bituminous
Interstate Coal Co.	No. 1				Bituminous
Jackson Hill Coal Co.	No. 6				Bituminous
Newport Coal Mining Co.	No. 1	110'	Minshall	5' 6"	Bituminous
Tighe Coal Company	No. 1	249	V	4' 8"	Bituminous
United States Fuel Co.	Universal No. 4	239'	IV	4' 11"	Bituminous
United States Fuel Co.	Universal No. 5	143	V	5'	Bituminous
Vermillion Coal Co.	No. 1	130'	V	5'	Bituminous
West Clinton Coal Co.	No. 1	185'	V	4' 6"	Bituminous
Whitcomb Coal Company	No. 1				Bituminous

VIGO COUNTY

Binkley, L. G. Coal Co.	Pine Ridge No. 1		III		Bituminous
Burnett Coal Mining Co.	Burnett No. 1		III	6'	Bituminous
Burnett Coal Mining Co.	Burnett No. 2				Bituminous
Crawford Coal Company	No. 1				Bituminous
Deep 4th Vein Coal Co.	No. 1	280'	IV	4' 3"	Bituminous
Dering, J. K., Coal Co.	No. 6	170'	V	4' 6"	Bituminous
Dry Fork Coal Company	No. 1	160'	III	6' 6"	Bituminous
Eureka Block Coal Co.	Dixie Bee	280'	V	6'	Bituminous
Fayette Realty & Develping Co.	Fayette No. 1	206	IV	5' 4"	Bituminous
Ferguson-Coal Company	Submarine	225'	IV	5' 3"	Bituminous
Fontanet Coal Company	Diamond No. 2				Bituminous
Fort Harrison Mining Co.	Bardyke	338'	IV	5' 6"	Bituminous
Fort Harrison Mining Co.	Clovelly	140'	V	4' 8"	Bituminous
Fort Harrison Mining Co.	Talleydaie	268'	IV	5' 6"	Bituminous
Foxworthy Bros. Coal Co.	No. 1				Bituminous
Glen Ayr Coal Company	No. 1	90'	IV	5'	Bituminous
Glenco Coal Company	No. 1	65'	IV	5'	Bituminous

GEOLOGICAL TABLE—Continued

VIGO COUNTY—Continued

NAME OF COMPANY	NAME OF MINE	Depth of Overlying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Glendale Coal Company	No. 1	59'	IV	5'	Bituminous
Glenjean Coal Company	No. 1	486'	III	5' 6"	Bituminous
Grant Coal Mining Co.	Maple Grove No. 4	270'	V	4' 8"	Bituminous
Gregory Coal Company	Hein	No. 5	IV	5'	Bituminous
Jackson Hill Coal & Coke Co.	No. 1	180'	IV	5'	Bituminous
Kern Coal Company	No. 1	No. 1	V	4' 8"	Bituminous
Lower Vein Coal Company	No. 1 Lower Vein	192'	IV	4' 10"	Bituminous
Lower Vein Coal Company	No. 2 Speedwell	295'	V	4' 4"	Bituminous
Hall-Zimmerman Coal Co.	Wizard No. 2	160'	IV	3'	Block & Bit.
McClelland Coal Company	No. 1		III	4'	Bituminous
Miami Coal Company	Black Hawk		V	5'	Bituminous
Miami Coal Company	Miami No. 4		V	5'	Bituminous
Miami Coal Company	Miami No. 5	125'	IV	5' 6"	Bituminous
Miami Coal Company	Miami No. 6	156'	V	5'	Bituminous
Miami Coal Company	Miami No. 8	285'	V	5'	Bituminous
Miami Coal Company	Miami No. 9	260'	IV	5'	Bituminous
Miami Coal Company	Miami No. 10	250'	IV	3' 9"	Bituminous
Otter Creek Coal Co.	Mary No. 2	245'	Minshall	3'	Block & Bit.
Otter Creek Coal Co.	Mary No. 3	240'	III	4'	Bituminous
Otter Valley Coal Co.	No. 1		V	4' 8"	Bituminous
Puritan Coal Company	American Eagle	50'	V	4' 8"	Bituminous
Richards & Son Coal Co.	No. 1	30'	V	4' 8"	Bituminous
Riley Coal Company	Water Lily	377'	V	4' 8"	Bituminous
Sanford Mining Co.	Sanford No. 2	272'	V	4' 4"	Bituminous
Shirkie Coal Company	Shirkie No. 1	240'	V	4' 4"	Bituminous
Sister of Providence	St. Mary	140'	V		Bituminous
Sugar Valley Coal Co.	No. 1		V		Bituminous
Durand Coal Co.	Old Soules	219'	V	4' 2"	Bituminous
Sunbeam Coal Company	No. 1	183'	Minshall	4' 8"	Bituminous
Utilities Coal Company	National	106'	V	5'	Bituminous
Vandalia Coal Company	No. 74	234'	Minshall	4'	Bituminous
Vandalia Coal Company	No. 82	175'	V	4' 5"	Bituminous
Western Indiana Mining Co.	Minshall	165'	IV	5' 4"	Bituminous
Western Indiana Mining Co.	Riverside	300'	III	5' 6"	Bituminous
Western Indiana Mining Co.	Wabash	120'	IV	3'	Bituminous
Willow Creek Coal Co.	No. 1	340'	IV		Bituminous
Zimmerman Coal Company	Black Betty				

WARRICK COUNTY

Archbold, John, Coal Co.	Red Shaft	180'	V	5'	Bituminous
Boonville Mining Company	DeForest		V	6'	Bituminous
Bosse Coal Company	Korff No. 1	50'	V	4' 5"	Bituminous
Bryan, Joe A., Coal Co.	Chandler No. 1	120'	V	5' 6"	Bituminous
Cox Coal Company	Cox No. 1		V	5'	Bituminous
Cypress Creek Coal Co.	John Bull	60'	V	4'	Bituminous
Elberfeld Coal Mining Co.	No. 1	196'	V	4'	Bituminous
Erie Canal Coal Company	No. 1	130'	V	4'	Bituminous
Fricke & Blair Coal Co.	No. 1	37'	V	4'	Bituminous
Horton Coal Company	No. 1	Drift	V	4'	Bituminous
Key Coal Company	Caledonia No. 3	85'	V	4' 6"	Bituminous
Cash Coal Company	No. 1	Slope	V	6'	Bituminous
Newburg Coal Company	Epworth	114'	V	4'	Bituminous
Sargeant Coal Company	Sargeant No. 1	96'	V	4'	Bituminous
Sargeant Coal Company	Sargeant No. 2	128'	V	4'	Bituminous
Sunlight Coal Company	Sunlight No. 2		V	4'	Bituminous
Sunlight Coal Company	Sunlight No. 4		V	4'	Bituminous
Suwanee Coal Company	Suwanee No. 1	61'	V	6' 6"	Bituminous
Warrick Coal Mining Co.	Polk Patch No. 5	Slope	V	4' 2"	Bituminous
Wooley, J., Coal Co.	Castle Garden No. 6	80'	V	4'	Bituminous
Suwanee Coal Company	Suwanee No. 1	61'	V	4'	Bituminous

TABLE OF NEW MINES
CLAY COUNTY

NAME OF COMPANY	NAME OF MINE	LOCATION	Num- ber of Seam	Pick or Ma- chine	Block or Bitumi- nous	Thick- ness of Seam Feet	Depth of Mine in Feet	Size of Shaft in Feet	Railroad	Date of First Shipment
Hydraulic Press Brick Co.....	No. 1.....	N. W. $\frac{1}{4}$ S. 25 Tp. 13 R. 7 D. N. Tp. Brazil	Block	Pick	Block	3' 6"	35'	7'x3'	Penna.....	Consume all
GIBSON COUNTY										
Francisco Mining Company....	No. 2.....	S. W. $\frac{1}{4}$ S. 19 Tp. 2 D. S. R. 9. D. W....	V	Mach.	Bitu.	6'6"	282'	17'6"x11 $\frac{1}{2}$ '	Big Four.....	Mar. ..., 1922
GREENE COUNTY										
Bon Ayr Coal Company.....	No. 2.....	S. E. $\frac{1}{4}$ S. 29 Tp. 9 D. N. R. 7 D. W....	IV	Mach.	Bitu.	5'6"	114	11'x17'	C. M. & St. P....	Aug. 28, 1922
KNOX COUNTY										
American Coal Mining Co....	No. 3.....	Tp. 4 D. N. R. 8 D. W. Tp. Washington...	V	Mach.	Bitu.	7'	292'	11 $\frac{1}{2}$ 'x17 $\frac{1}{2}$ '	I. & V.	Nov. 28, 1921
River Valley Coal Company..	No. 1.....	Tp. 4 R. 8 D. Tp. Vigo.....	V	Mach.	Bitu.	3'	Slope	6'x12'	I. & V.	Aug. 10, 1922 (Small Mine)
SULLIVAN COUNTY										
Ebbw Vale Coal Company....	No. 1.....	N. W. S. 15 Tp. 7 D. N. R. 9 D. W....	V	Mach.	Bitu.	6'	250'	10'x16'	C. & E. I.	Dec. 14, 1921
Hamilton Coal Mining Co....	Mohawk...	S. E. $\frac{1}{4}$ S. W. $\frac{1}{4}$ S. 8 Tp. 8 R. 8 D. W....	V	Both	Bitu.	5'6"	170'	10'x16'	C. M. & St. P....	July 1, 1921
Jackson Hill Coal & Coke Co..	No. 7.....	N. E. $\frac{1}{4}$ S. W. $\frac{1}{4}$ S. 36 Tp. 9 D. N. R. 9 D. W....	VII	Mach.	Bitu.	6'6"	280'	10'x16'	C. & E. I.	July 20, 1921
Seventh Vein Coal Company..	Cummins.....	$\frac{1}{4}$ N. W. S. 5 Tp. 10 D. N. R. 8.....	VII	Pick	Bitu.	5'	20'	9'x15'	C. & E. I.	Aug. 29, 1922
WARRICK COUNTY										
Cash Coal Company.....	No. 1.....	N. W. S. 25 Tp. 5 D. S. R. 8 D. W....	VI	Mach.	Bitu.	6'	Slope	8'x16'	E. & O. V.	(Small Mine)
Horton Coal Company.....	No. 1.....	S. W. $\frac{1}{4}$ N. E. $\frac{1}{4}$ S. 14 Tp. 7 D. W....	V	Pick	Bitu.	4'	Drift	.....	E. & O. V.	Sept. 1, 1919
Suwanee Coal Company.....	No. 1.....	N. W. $\frac{1}{4}$ S. 15 R. 8 D. W. Tp. Anderson..	V	Pick	Bitu.	4'	61'	.....	E. & O. V.	Nov. 1, 1921

CHANGES IN OWNERSHIP OF MINING PROPERTY

CLAY COUNTY

Rowland-Powers Consolidated Collieries—Nos. 6 and 8 Mines, Terre Haute, Indiana—To the Maumee Collieries Company, Terre Haute, Indiana, September 12, 1922.

KNOX COUNPANY

American Coal Mining Company—American Nos. 1 and 2 Mines, Bicknell, Indiana—To Knox Consolidated Coal Company, Indianapolis, Indiana, July 16, 1922.

Indian Creek Coal and Mining Company—Indian Creek Mine, Bicknell, Indiana—To Knox Consolidated Coal Company, Indianapolis, Indiana, July 16, 1922.

Tecumseh Coal Mining Company—Tecumseh Nos. 1 and 2 Mines, Bicknell, Indiana—To Howe-Coulter Coal Company—Tecumseh Nos. 2 and 4—Chicago, Illinois, June 1, 1922.

OWEN COUNTY

Putnam Coal Company—No. 1 Mine Coal City, Indiana—To Owen County Coal Company, January 28, 1922

PARKE COUNTY

New Discovery Coal Company—Frog Pond Mine. Rockville, Indiana—To Parke County Central Coal Company, Rockville, Indiana, December 29, 1921.

PIKE COUNTY

Fork Ridge Mining Company—Fork Ridge Mine, Oakland City, Indiana—To Enterprise Coal Mining Company, Oakland City, Indiana, September 1, 1922.

S. W. Littles Coal Company—Littles No. 1 Mine, Littles Indiana—To Neal Coal Company, Indianapolis, Indiana, August 1, 1922.

Pike County Coal Company—Atlas No. 1 Mine, Petersburg, Indiana—To Howe-Coulter Coal Company, Chicago, Illinois, June 1, 1922.

Simplex Coal and Mining Company—Simplex No. 3 Mine, Petersburg, Indiana—To Howe-Coulter Company, Chicago, Illinois, June 1, 1922.

SULLIVAN COUNTY

Rose Hill Coal Company—Rose Hill Mine, Sullivan, Indiana—To H. D. & F. Coal Producing Company, Linton, Indiana, August 22, 1922.

Rowland-Powers Consolidated Collieries Company—No. 7 Mine, Terre Haute, Indiana—To The Maumee Collieries Company, Terre Haute, September 12, 1922.

Steele-Kattman Coal Company—Mayflower Mine, Hymera, Indiana—To Hymera Mutual Coal and Mining Company, Hymera, Indiana, February 8, 1922.

VIGO COUNTY

Gregory Coal Company—Hein Mine, Terre Haute, Indiana—To Harris & Gregory Bros. Coal Company Terre Haute, Indiana, December 1, 1921.

William Soules Coal Company—Soules Mine, Terre Haute, Indiana—To Durand Coal Company, Old Soules Mine, Terre Haute, August 20.

McClelland Coal Company—McClelland No. 1 Mine, Terre Haute—To Columbus Mining Company, Terre Haute, Indiana, August 16, 1922.

GREENE COUNTY

J. & M. Coal Company—No. 1 Mine, Linton, Indiana—To General Fuel Corporation, Hi Grade Mine, Terre Haute, Indiana, August, 1922.

ABANDONED MINES

THE FOLLOWING IS A LIST OF THE ABANDONED MINES, AS SHOWN BY OUR RECORDS, FOR THE FISCAL YEAR
ENDING SEPTEMBER 30, 1922

CLAY COUNTY

NAME OF COMPANY	NAME OF MINE	Geological Number of Seam	Date of Abandon- ment	Railroad
G. W. Boyer Coal Co.....	No. 1.....	III	3-27-21	Wagon
Rowland-Powers Coal Co.....	Old Glory No. 8.....	II	3-31-22	Monon
Coal Bluff Mining Co.....	Plymouth No. 2.....	II	3-30-22	C. & E. I.

GREENE COUNTY

Queen Coal Mining Co.....	No. 2.....	V	.. . 22	C. T. H. & S. E.
Vigo Mining Company.....	No. 6.....	IV	3-25-22	C. T. H. & S. E.

PIKE COUNTY

S. W. Littles Coal Co.....	Blackburn No. 2.....	V	12-28-21	E. I. & T. H.
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SULLIVAN COUNTY

Chicago-Carlisle Coal Co.....	Reliance.....	VI	3-25-22	C. & E. I.
Jackson Hill Coal & Coke Co.....	No. 4.....	VI	1- 4-22	C. & E. I.

VIGO COUNTY

Glendale Coal Company.....	No. 1.....	IV	3-28-22	P. C. C. & St. L.
Hall-Zimmerman Coal Co.....	Wizard No. 1.....	V	4- 1-22	Pennsylvania

SUMMARY OF TOTALS

AS SHOWN BY THE RECORDS OF THE DEPARTMENT OF MINES FOR FISCAL YEAR ENDING SEPTEMBER 30, 1922

Tons of machine mined block coal.....	8,958
Tons of pick mined block coal.....	11,449
Total tons of block coal mined.....	20,407
Tons of machine mined bituminous coal.....	8,309,013
Tons of pick mined bituminous coal.....	6,619,970
Total tons of bituminous coal mined.....	14,928,983
Total of all coal mined.....	14,949,390
Wages paid employes of block coal mines.....	\$98,487.43
Wages paid employes of bituminous coal mines.....	\$27,563,637.50
Total wages employes of all major mines in State.....	\$27,662,124.93
Number of employes in block coal mines.....	257
Number of employes in bituminous coal mines.....	28,601
Total number of employes in major mines.....	28,858
Total days worked at bituminous mines during year.....	17,241
Total days worked at block mines during year.....	801
Average wages paid employes.....	\$958.56
Number of fatal accidents at major mines.....	36
Number of other accidents at mines reported to Industrial Board.....	3,617
Tons of coal produced per fatality in major mines.....	415,288
Number of employes killed per 1,000 employed.....	1.24
Days lost account of no orders.....	9,895
Days lost account of no cars.....	1,840
Days lost account of strikes (not including general strike).....	937
Days lost account of funerals.....	31
Days lost account of other causes.....	2,155
Number of deaths in mines due to natural causes.....	4
Number of applications for certificate as Mine Boss, Fire Boss and Hoisting Engineer.....	463
Number of applicants receiving certificates.....	206

BITUMINOUS MINES

CLAY COUNTY

NAME OF MINE	PRODUCTION			WAGES PAID				AVERAGE NUMBER OF EMPLOYEES				EXPLOSIVES USED		Remarks	
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Num- ber Days worked		Kgs of Black Pow- der	Lbs. Per- mis- sible
Bolt No. 1.....		5,208	5,208	\$6,566 48	\$2,905 48	\$1,949 73	\$11,021 69	34		12	9	55	18	247	.....
Cloverland.....		74,730	74,730	82,930 18	24,738 03	15,565 38	123,233 59	61		13	5	79	145	3,835	.....
Collieries No. 2....	41,715	2,283	43,998	48,564 05	36,184 84	15,002 54	99,751 43	6	65	30	10	111	93	770	.....
Hamlin-Heck.....		27,384	27,384	32,795 98	13,408 72	10,174 44	56,379 14	35		10	7	52	100	1,539	.....
Hyde.....															No reports
Island Valley.....		691	691	746 16	1,305 69	682 54	2,744 39								No reports
Lewis.....	276	5,090	5,366	5,989 07	5,943 15	6,106 97	18,039 19	39		18	10	67	18	240	.....
Powers No. 6.....		606	606	689 09	3,648 86	1,930 02	6,267 97	24		20	9	53	7	85	.....
Primrose No. 3....		7,918	7,918	8,802 26	3,162 64	1,679 51	13,644 41	27		5	2	34	100	507	.....
Red Rag.....		7,727	7,727	7,851 65	3,396 63	2,850 93	14,199 21	32		10	6	48	55	335	.....
South Side No. 1..		4,566	4,566	4,693 56	2,621 05	2,307 22	9,621 83	19		13	8	40	21	182	.....
White Ash No. 1..		36,436	36,436	40,520 95	17,087 54	5,173 93	62,783 42	48		11	4	63	124	2,315	.....
Total.....	41,991	172,639	214,630	\$240,149 43	\$114,402 63	\$63,533 21	\$417,686 27	319	65	112	60	556	681	10,055	.....

DAVIESS COUNTY

Montgomery No. 4.....	3,847	3,847	\$3,401 35	\$1,830 32	\$3,765 06	\$8,996 73	7	3	4	14	63	149	No reports		
Oak Grove No. 1....													Idle		
Riverside.....	1,709	1,709	1,540 17	1,106 25	1,269 00	3,915 42	75	31	17	155	161	4,128	No reports		
Sunrise No. 1.....	32,328	67,389	99,717	116,298 03	45,076 55	31,974 56	193,349 14	75	31	32	17	155	161	4,128	No reports
Thrifty No. 2.....															
White River.....	1,582	1,582	1,905 98	2,471 45	1,231 62	5,609 05	41	30	14	85	7	109	No reports		
Standard No. 3....															
Total.....	32,328	74,527	106,855	\$123,145 53	\$50,484 57	\$38,240 24	\$211,870 34	123	31	65	35	254	254	4,477	No reports

GIBSON COUNTY

Buckskin No. 2.....	53,754	53,754	\$59,002 79	\$27,910 80	\$18,865 39	\$105,778 98	74	26	10	110	83	2,169	.....
Fort Branch.....	57,547	57,547	59,233 14	40,889 59	21,537 31	121,659 04	92	43	11	146	79	604	.....
Francisco No. 1.....	496	128,240	145,452 43	67,125 19	8,781 94	243,359 56	142	64	18	224	94	4,312	.....
Gudgel No. 1.....	18,268	25,311 63	20,308 65	20,308 65	8,268 87	53,889 15	105	35	10	150	30	817	.....
Liberty No. 1.....	27,282	27,282	28,536 08	25,060 88	8,910 43	62,507 39	41	14	10	65	112	57	.....
Princeton No. 1.....	83,806	57,374	158,205 34	85,402 72	23,178 66	266,786 72	71	156	106	24	337	90	836
Total.....	169,131	257,140	\$475,741 41	\$266,697 83	\$111,542 60	\$853,980 84	392	289	288	83	1,052	488	8,795

GREENE COUNTY

Antioch No. 2.....	156,468	20,175	176,643	\$181,494 12	\$124,445 20	\$32,229 37	\$338,168 69	22	139	83	16	260	147	3,447	Idle
Big Twelve.....	84,125	28,245	112,360	131,860 17	46,880 34	29,741 07	208,481 58	37	84	44	15	180	149	3,099	Idle
Black Creek No. 2.....	12,998	12,998	12,998	12,942 09	6,480 33	5,031 33	24,453 75	29	201	52	72	325	113	3,600	Idle
Boother No. 1.....	291,176	552	291,176	333,686 56	94,685 19	42,459 15	470,830 90	8	25	7	5	45	50	120	Idle
Bon Ayr No. 1.....	4,975	552	5,527	8,616 24	14,864 81	11,679 38	35,160 43	8	25	7	5	45	50	120	Idle
Calora No. 1.....	65,801	6,618	72,419	73,308 34	38,135 79	19,78 41	131,228 24	26	81	42	15	164	91	1,040	Idle
Coal Ridge No. 1.....	127,100	536	127,100	150,866 49	56,638 34	26,88 12	234,388 95	156	61	61	278	110	1,419	Idle	
Green Valley.....	4,020	536	4,556	4,616 03	4,191 99	2,773 91	11,581 93	15	22	6	5	46	33	90	Idle
Hooster.....	18,900	18,900	18,900	21,314 09	7,360 23	7,148 71	35,823 03	46	13	13	72	55	1,048	Idle	
Jewell No. 2.....	76,275	18,938	95,213	107,396 76	75,424 93	20,092 11	202,913 80	30	103	65	15	213	88	2,321	Idle
LeNoir.....	26,030	1,741	26,030	26,453 10	11,800 50	8,467 10	46,720 70	24	7	5	36	143	365	.....
Persons No. 4.....	1,741	1,741	1,741	1,828 41	1,802 06	208 46	3,838 93	20	9	1	30	11	26	.....
Persons No. 5.....	1,067	16,876	17,943	19,623 23	11,250 47	3,376 77	34,250 47	59	21	8	88	37	734	.....
Queen No. 2.....	67,731	31,754	99,485	110,179 48	70,853 30	26,483 20	297,515 98	46	60	33	10	139	131	2,932	Idle
Queen No. 3.....	137,804	16,455	154,259	166,059 48	118,785 63	29,765 62	314,610 73	19	108	53	8	188	146	2,696	Idle
Queen No. 4.....	3,814	3,814	3,814	3,783 07	2,969 16	1,888 18	8,640 41	24	8	7	39	21	26	.....
Robertson.....	14,882	19,192	19,192	20,345 51	11,078 82	1,715 00	32,424 33	50	23	24	11	108	8	670	Idle
Sleepy Eye.....	4,310	52,939	52,939	60,792 47	28,740 07	14,569 15	104,101 69	52	17	10	79	149	3,246	Idle	
Spring Valley.....	175,331	358	175,693	166,145 19	56,457 16	19,727 89	242,330 24	26	155	62	19	272	100	2,832	Idle
Tower Hill.....	10,525	47,737	58,262	64,841 69	42,571 64	14,093 65	121,506 88	107	21	48	16	192	72	3,452	Idle
Twin Nos. 5 and 6.....	9,903	9,903	9,903	11,993 71	11,993 71	7,953 85	19,547 56	48	14	7	69	23	555	Idle	
Vigo No. 6.....	9,903	9,777	9,777	10,739 75	3,741 25	1,806 24	16,287 24	48	14	7	69	23	555	Idle	
Bon Ayr No. 2.....	298,043	298,043	298,043	\$1,676,892 27	\$841,894 57	\$830,081 49	\$2,848,053 33	620	1,246	676	324	2,884	1,766	34,530	Idle
Hi Grade No. 1.....	1,238,293	1,238,293	1,238,293												Idle
Total.....															Idle

BITUMINOUS MINES—Continued

KNOX COUNTY

NAME OF MINE	PRODUCTION			WAGES PAID			AVERAGE NUMBER OF EMPLOYEES				EXPLOSIVES USED		Remarks		
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total		Num- ber Days worked	Kegs of Black Pow- der	Lbs. Per- miss- ible
American No. 1.....	596,687	5,004	601,691	\$590,651 14	\$199,571 47	\$140,662 57	\$930,885 18	.....	572	191	37	800	113	6,128	.....
American No. 2.....	213,109	.....	213,109	215,226 48	74,938 84	50,521 62	340,686 94	.....	281	84	40	405	83	2,945	.....
Columbia No. 1.....	91,368	.....	91,368	101,247 73	38,767 48	17,533 99	157,549 20	.....	93	38	15	146	104	1,336	.....
Indian Creek.....	248,887	.....	248,887	224,807 63	109,708 63	51,550 87	386,067 13	.....	349	33	99	481	81	2,516	.....
Knox No. 1.....	46,824	.....	69,539	73,375 04	48,682 35	28,461 56	150,518 95	.....	42	80	28	206	66	1,487	.....
Lynn No. 1.....	.....	16,608	16,608	9,895 67	11,777 79	19,255 85	40,929 31	67	.....	22	9	98	47	1,012	.....
Oliphant-Johnson.....	58,344	.....	58,344	56,300 32	24,299 72	10,103 79	90,703 83	.....	160	35	21	216	35	1,350	.....
Pan Handle No. 5.....	104,438	49,155	153,593	160,933 21	86,300 75	2,318 97	252,452 99	48	91	47	21	207	118	2,977	.....
Pan Handle No. 6.....	80,696	6,286	86,982	91,947 90	35,125 56	19,098 28	146,171 74	5	67	24	15	111	113	1,595	.....
Tecumseh No. 2.....	71,333	21,045	92,378	95,296 60	62,105 65	28,265 74	185,667 99	10	202	66	28	306	30	364	.....
Tecumseh No. 4.....	31,400	1,082	32,482	32,702 88	36,314 71	15,025 51	84,043 10	47	126	53	27	253	72	2,016	.....
Westphalia No. 1.....	109,864	2,092	111,926	116,324 23	58,640 12	11,458 18	186,422 53	6	116	28	11	161	123	1,372	.....
Wheatland No. 1.....	.....	198,327	198,327	213,749 15	121,184 46	31,845 13	366,778 74	143	86	90	20	339	135	10,019	.....
Total.....	1,652,950	322,284	1,975,234	\$1,982,458 05	\$889,417 53	\$447,002 06	\$3,318,877 63	368	2,223	767	371	3,729	1,120	35,117	.....

PARKE COUNTY

Frog Pond.														
Irene.....	33,435	\$33,964 74	\$14,746 90	\$16,666 39	\$75,378 03	40	7	7	54	137	2,991	.....	No reports
Rockville.....	15,281	20,300	22,057 37	17,498 50	10,532 50	50,088 37	34	7	5	7	53	174	1,218	
Sand Creek.....	5,019	5,733	13,111 28	1,290 66	256 30	14,588 24	12	.....	3	2	17	132	470
Williams Creek.....	6,750	6,750	7,120 00	1,748 50	1,745 00	10,513 50	6	.....	3	2	11	174	356
Total.....	5,019	61,199	66,218	\$86,253 39	\$35,214 56	\$29,290 19	92	7	18	18	135	617	5,035	

PIKE COUNTY

Atlas No. 1.....	121,810	37,534	159,344	\$172,629 86	\$79,433 08	\$40,502 63	\$302,565 57	90	121	103	25	339	58	4,078	Idle
Ayrshire No. 6.....	165,887	187,794 87	120,933 42	60,476 67	389,424 96	65	157	65	157	107	24	353	123	2,780	Idle
Ayrshire No. 7.....	107,139	118,289 30	50,292 32	31,272 23	199,853 85	33	115	33	115	41	15	204	115	2,526	Idle
Ayrshire No. 8.....	2,401	41,511 73	5,257 59	3,266 30	12,675 62	14	16	14	16	10	5	45	50	147	Idle
Beech Nos. 3 and 4.....	632	842 20	1,505 56	615 21	2,962 97	22	7	22	7	3	32	10	64	32	Idle
Blackburn No. 2.....	31,543	37,118 05	23,670 99	10,937 16	71,726 60	28	15	28	15	14	8	65	140	1,845	Idle
Fork Ridge No. 1.....	7,226	147,399 88	74,955 54	29,994 33	252,349 75	122	81	122	81	78	18	299	88	4,756	Idle
Gladstone No. 1.....	64,145	41,734	31,711 55	18,404 95	95,934 20	7	42	7	42	30	6	85	83	670	Idle
Littles No. 1.....	41,024	507,231	\$714,243 59	\$387,780 05	\$195,469 48	\$1,307,493 52	381	547	390	104	1,422	667	16,866	No reports	No reports
Muren.....	710	147,100	654,331	\$714,243 59	\$387,780 05	\$195,469 48	\$1,307,493 52	381	547	390	104	1,422	667	16,866	No reports
Simplex.....	41,024	507,231	654,331	\$714,243 59	\$387,780 05	\$195,469 48	\$1,307,493 52	381	547	390	104	1,422	667	16,866	No reports
Winslow No. 2.....	507,231	147,100	654,331	\$714,243 59	\$387,780 05	\$195,469 48	\$1,307,493 52	381	547	390	104	1,422	667	16,866	No reports
Total.....	507,231	147,100	654,331	\$714,243 59	\$387,780 05	\$195,469 48	\$1,307,493 52	381	547	390	104	1,422	667	16,866	No reports

SPENCER COUNTY

Fox Hill.....	250	182	432	\$694 99	\$656 42	\$180 00	\$1,531 41	7	.....	2	1	10	7	39	Idle
Oak Knob.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Idle
Total.....	250	182	432	\$694 99	\$656 42	\$180 00	\$1,531 41	7	.....	2	1	10	7	39	Idle

SULLIVAN COUNTY

Baker.....	110,737	1,948	112,685	110,508 90	49,767 48	21,368 22	181,644 60	4	74	40	15	133	133	.....	17,850
Birchwood.....	36,642	36,642	36,642	36,655 93	28,279 25	14,119 48	79,074 56	61	.....	16	9	86	131	2,405	No reports
Bursan.....	66	66	66	96 28	2,005 59	1,827 56	3,929 43	.....	.....	.....	.....	.....	.....	.....	No reports
Carlisle.....	34,633	20,167	54,800	60,793 59	46,294 79	17,309 39	124,397 77	39	65	42	15	161	80	1,884	No reports
Enterprise.....	33,219	20,167	33,669	35,729 26	22,734 16	13,031 48	71,554 90	3	51	16	10	80	127	2,115	No reports
Glendon No. 26.....	166,346	209	166,555	157,039 94	87,982 43	29,149 29	274,171 66	.....	46	57	19	122	114	2,115	No reports
Hamilton No. 1.....	103,273	24,443	103,273	103,914 92	49,838 65	25,782 42	185,535 99	15	92	22	11	140	115	1,488	No reports
Hocking No. 2.....	24,443	24,443	24,443	32,575 97	11,580 66	10,063 46	54,200 09	41	.....	.....	.....	.....	.....	.....	No reports
Hymera No. 2.....	234,877	234,877	234,877	267,216 44	78,886 15	22,155 00	368,056 59	144	.....	52	17	213	111	11,716	No reports
Jackson Hill No. 4.....	29,909	29,909	29,909	39,162 35	17,972 70	12,771 49	69,906 54	.....	106	72	23	201	34	348	No reports
Jackson Hill No. 7.....	27,476	27,476	27,476	37,200 69	14,615 32	20,528 12	72,364 13	38	21	15	13	63	138	3,259	No reports
Keeley.....	40,980	40,980	40,980	98,324 16	16,687 80	6,962 97	121,574 93	14	.....	11	8	57	135	3,259	No reports
Kettle Creek No. 27.....	7,099	25	7,094	7,264 83	13,476 14	4,548 80	69,705 50	.....	71	29	5	105	15	110	No reports
Little Betty.....	73,997	73,997	73,997	77,732 94	41,046 50	28,589 75	147,369 19	.....	136	33	15	184	55	794	No reports
Mildred No. 2.....	15,877	15,877	15,877	15,316 90	18,463 53	13,269 99	47,050 42	.....	49	24	12	85	31	99	No reports

BITUMINOUS MINES—Continued
SULLIVAN COUNTY—Continued

NAME OF MINE	PRODUCTION		WAGES PAID						AVERAGE NUMBER OF EMPLOYEES				EXPLOSIVES USED		Remarks	
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Num- ber Days worked	Kegs of Black Pow- der		Lbs. Per- mis- sible
Paxton No. 8.....	11,494	.....	11,494	10,680 75	11,790 48	5,672 06	28,143 29	.....	32	21	7	60	62	137	.....
Peerless No. 27.....	134,477	135,564	142,112 17	73,552 82	30,213 82	245,878 81	3	93	55	17	168	138	1,878
Powers No. 7.....	123,769	.....	123,769	142,616 02	60,376 57	32,829 05	235,821 64	.....	110	40	12	162	134	1,762	.....
Reliance.....	34,105	.....	34,105	34,851 80	25,324 28	13,110 09	73,286 17	.....	120	46	17	183	43	444	.....
Road.....	35,507	.....	35,507	41,242 19	30,643 50	11,282 88	83,168 57	95	.....	35	11	141	69	2,182	.....
Rose Hill.....	36,371	.....	36,371	44,043 33	22,901 15	12,680 07	79,624 55	72	.....	13	6	91	83	2,358	.....
Shallow Valley.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Six Vein No. 1.....	4,198	.....	4,198	5,855 62	4,115 28	3,156 98	13,127 88	18	.....	7	8	33	38	389	No reports
Six Vein No. 2.....	7,082	.....	7,082	7,653 48	4,476 03	3,391 93	15,521 44	.....	21	6	5	32	42	117	.....
Star City No. 5.....	85,323	.....	85,323	95,169 45	61,808 70	23,284 26	180,262 41	54	99	57	23	233	82	2,312	.....
Star City No. 7.....	.....	2,907	2,907	4,374 24	.....	.....	4,374 24	13	.....	2	2	17	39	180	Idle
St. Clair No. 30.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Steele-Kattman.....	34,056	.....	34,056	57,236 93	14,411 01	8,092 65	79,740 59	59	.....	17	10	86	72	2,128	.....
Sunflower No. 1.....	117,035	.....	117,035	120,923 27	34,599 72	39,437 39	194,960 38	.....	142	39	23	204	108	1,204	.....
Syndicate No. 1.....	.....	33,439	33,439	39,597 78	20,342 95	7,121 20	67,061 95	41	.....	15	6	62	114	2,190	.....
Vandalia No. 1.....	155,402	219	155,621	161,722 67	106,992 04	31,437 95	400,152 66	.....	148	54	18	220	140	1,810	.....
Vandalia No. 10.....	8,145	.....	8,145	8,345 89	13,584 23	5,298 43	27,228 55	.....	55	7	4	66	20	142	.....
Vandalia No. 12.....	178,582	.....	178,582	183,304 83	89,965 08	24,406 43	297,676 04	.....	153	48	12	213	152	1,215	.....
Vandalia No. 16.....	47,760	.....	47,760	49,727 88	44,517 96	13,847 77	108,093 61	.....	114	23	11	148	54	712	.....
Vandalia No. 17.....	122,433	4,432	126,865	128,993 88	69,793 32	27,399 61	226,186 81	7	131	39	14	191	110	1,702	Idle	
Vigo No. 22.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vigo No. 27.....	92,543	2,138	94,681	105,751 82	88,655 03	24,485 65	218,922 50	.....	132	40	21	199	116	1,559	.....
Vigo No. 28.....	247,975	.....	247,975	259,630 68	115,458 68	32,105 36	407,194 72	6	123	78	18	229	152	1,909	.....
Vigo No. 29.....	106,787	.....	106,787	132,832 85	50,252 14	14,974 49	198,059 94	125	.....	32	14	171	133	8,082	.....
Virginia.....	1,493	.....	1,493	1,968 78	3,468 49	3,138 69	8,575 96	25	.....	13	3	41	16	129	.....
Mohawk.....	42,826	.....	42,826	49,677 71	20,343 15	10,073 45	80,094 31	24	35	13	6	78	82	1,806	No reports
Elbow Vale.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	No reports
Cummins No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	No reports
Total.....	2,011,487	622,441	2,633,928	\$2,906,697 12	\$1,466,783 76	\$618,577 79	\$5,143,794 30	901	2,219	1,138	447	4,715	3,315	64,141	17,850	

VANDERBURGH COUNTY

Crescent.....	91,060	\$103,058 17	\$60,283 56	\$20,531 74	\$183,873 47	123	51	18	192	121	4,809	.....
Diamond.....	37,841	47,076 38	23,727 97	13,367 08	84,171 43	55	12	8	75	114	1,717	.....
Sunside.....	50,166	59,802 17	28,466 88	14,531 29	102,800 84	40	24	14	78	128	2,190	.....
Total.....	179,067	\$209,936 72	\$112,478 41	\$48,430 11	\$370,845 24	218	87	40	345	363	8,716	.....

VERMILION COUNTY

Bickett-Shirkie.....	168,758	\$197,712 54	\$56,842 55	\$18,008 35	\$272,623 44	195	31	8	294	119	13,577	.....
Crown Hill No. 2.....	50,598	61,885 09	19,927 98	12,538 61	94,351 08	104	30	12	146	89	3,984	.....
Crown Hill No. 3.....	66,069	80,371 36	33,161 76	16,916 54	130,451 66	111	34	15	160	89	4,987	Idle
Crown Hill No. 4.....	81,424	94,706 68	29,079 81	12,019 44	135,805 93	148	36	11	195	85	6,147	Idle
Crown Hill No. 5.....	66,277	58,512 52	32,358 11	19,177 02	110,047 65	57	27	11	95	145	1,245	.....
Crown Hill 6 and 7.....	108	4,905 72	7,086 52	13,193 39	25,185 63	29	20	18	67	32	1,245	.....
Dana No. 1.....	3,562	4,905 72	7,086 52	13,193 39	25,185 63	29	20	18	67	32	1,245	.....
Dering No. 8.....	108	4,905 72	7,086 52	13,193 39	25,185 63	29	20	18	67	32	1,245	.....
Essabee No. 1.....	156,552	171,078 25	92,122 87	47,479 00	310,680 12	225	55	32	312	109	12,126	.....
Essabee No. 3.....	54,209	80,836 16	72,502 94	25,081 99	178,421 09	60	31	14	137	142	4,504	.....
Interstate No. 1.....	132,638	157,473 78	57,698 50	22,205 84	237,378 12	185	41	25	251	115	11,079	.....
Jackson Hill No. 6.....	206,133	250,739 79	67,727 98	35,289 18	353,758 95	227	56	19	302	119	16,343	.....
Keller No. 1.....	877	1,430 91	9,491 84	3,213 30	13,138 05	47	40	8	95	19	58	.....
Keller No. 2.....	111,432	135,467 85	55,899 17	24,134 79	215,201 81	158	34	11	203	103	10,337	.....
Keller No. 5.....	98,437	109,997 10	57,717 53	30,672 72	138,587 35	107	33	11	133	103	7,927	.....
Newport.....	15,148	20,871 06	7,066 55	2,382 70	30,320 31	148	27	7	182	34	3,336	No reports
Tighe No. 1.....	281,221	432,611 11	141,658 50	32,329 34	616,608 95	152	201	62	662	169	6,241	.....
Universal No. 4.....	112,970	394,191	181,550 80	13,992 69	77,786 19	76	33	15	124	18	758	.....
Universal No. 5.....	33,665	45,642 70	18,150 80	7,642 69	29,222 70	149	31	15	195	143	12,431	.....
Vermilion No. 1.....	155,839	195,046 95	45,706 85	27,868 90	269,222 70	87	22	11	120	126	5,846	.....
West Clinton.....	70,760	87,314 47	37,481 61	16,361 10	141,157 26	149	22	11	120	126	5,846	.....
Whitcomb.....	24,875	35,714 66	17,489 45	7,580 96	60,785 07	60	23	8	91	97	2,050	.....
Devore & Clark.....	17,037	21,792 39	8,285 57	3,346 00	33,423 96	16	5	4	25	213	1,079	.....
Total.....	377,694	\$2,244,711 09	\$894,166 89	\$383,851 86	\$3,504,731 92	2,237	812	317	3,749	2,069	124,337	.....

BITUMINOUS MINES
VIGO COUNTY

NAME OF MINE	PRODUCTION			WAGES PAID				AVERAGE NUMBER OF EMPLOYEES				EXPLOSIVES USED		Remarks	
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Num- ber Days worked		Kegs of Black Pow- der
Barduke.....	120,892	120,892	\$131,601 20	\$40,010 00	\$25,542 30	\$197,153 50	10	82	22	14	128	130	3,177	Idle
Black Betty.....	214,384	.....	214,384	226,690 03	108,560 24	40,342 77	375,593 04	86	139	61	22	308	130	6,156
Black Hawk.....	51,485	.....	51,485	63,567 64	36,255 55	26,289 01	126,112 40	124	.....	28	13	165	69	3,585
Burnett No. 1.....	60,125	.....	60,125	54,854 73	30,230 61	11,011 01	96,102 35	131	.....	33	10	174	99	3,518
Burnett No. 2.....	Idle
Clovelly.....	19,678	.....	19,678	25,795 10	27,527 55	19,736 10	73,058 75	179	.....	50	15	244	32	1,762
Crawford No. 1.....	45,848	.....	45,848	58,984 92	23,428 90	12,384 17	94,797 99	51	.....	16	8	75	165	2,810
Deep Vein No. 1.....	6,695	.....	6,695	16,118 00	3,084 76	5,829 74	25,032 50	25	11	5	41	121	500	.....
Dering No. 6.....	278,601	278,601	281,737 01	115,124 45	44,404 75	441,266 21	256	122	44	424	104	2,376	Idle
Diamond No. 2.....	3,562	.....	3,562	4,428 31	442 63	3,579 08	8,450 02	14	.....	2	3	19	53	182
Dixie Bee.....	72,190	.....	72,190	86,896 48	36,536 80	17,953 99	141,386 57	146	.....	48	18	212	56	3,134
Fayette.....	211,175	.....	211,175	214,603 70	74,844 03	28,854 49	228,302 22	5	168	46	20	239	136	2,080
Glen Ayr.....	140,723	140,723	190,110 74	76,442 42	37,828 60	304,381 76	90	134	41	13	278	137	4,503	Idle
Glencoe.....	113,618	.....	113,618	133,375 45	65,734 88	17,291 45	216,401 78	209	.....	33	8	250	70	1,910
Glencoe.....	899	.....	899	1,026 78	2,457 80	793 20	4,277 78	.....	.....	.....	.....	.....	.....	.....
Hein.....	2,914	.....	2,914	3,316 24	1,287 65	792 50	5,396 39	8	.....	3	14	25	81	193
Jackson Hill No. 5.....	232,239	232,239	256,763 50	83,857 87	49,102 99	389,724 36	223	83	29	335	111	3,333	Idle
Kern.....	24,529	.....	24,529	39,629 76	.....	.....	45,797 83	24	.....	7	4	35	141	1,390
Lower Vein No. 1.....	76,602	.....	76,602	94,317 41	44,053 17	17,539 87	155,910 45	130	.....	31	11	172	104	6,315
McClelland No. 1.....	39,513	.....	39,513	52,245 59	28,289 63	13,321 50	98,856 72	76	.....	42	15	133	67	2,829
Maple Grove No. 4.....	262,962	262,962	341,293 25	113,045 65	49,487 25	503,853 15	372	22	60	24	478	151	18,929	178
Mary No. 3.....	64,358	.....	64,358	92,604 80	57,671 86	13,634 21	162,960 87	150	16	46	16	228	107	3,408
Miami No. 5.....	173,945	.....	173,945	211,606 49	81,682 70	26,652 68	319,941 87	150	.....	43	5	198	150	12,594
Miami No. 6.....	253,578	.....	253,578	295,383 44	137,713 17	40,778 84	473,875 45	267	.....	20	90	377	163	16,153
Miami No. 8.....	182,781	182,781	184,307 13	164,385 80	43,706 63	392,399 65	10	90	19	337	96	2,647	Idle
Miami No. 9.....	380,669	.....	380,669	446,548 20	195,049 20	51,133 05	692,730 45	283	.....	72	16	371	160	25,443
Miami No. 10.....	176,305	.....	176,305	211,104 51	119,146 94	38,767 55	369,019 00	256	.....	54	14	324	94	10,963
National.....	60,103	.....	60,103	71,665 18	29,145 24	15,751 22	116,561 64	171	.....	26	10	207	67	5,028
Otter Valley.....	5,333	5,333	7,289 16	4,733 13	2,494 59	13,516 88	29	7	4	40	37	Idle
Pine Ridge.....	125,969	.....	125,969	149,368 61	43,577 62	21,767 50	214,713 73	177	.....	26	11	214	141	9,396
Puritan.....	2,780	.....	2,780	3,002 40	1,894 57	1,169 67	6,067 64	16	.....	3	3	22	73	.....
Riverside.....	8,790	.....	8,790	10,492 35	10,390 70	3,077 80	13,960 85	90	.....	36	9	135	19	906
Sandford.....	38,852	38,852	49,444 21	28,743 08	7,225 34	95,412 61	82	18	10	110	100	3,239	Idle
Shurkie No. 1.....	128,685	.....	128,685	156,271 96	74,207 75	19,449 00	249,928 71	199	.....	42	15	256	120	10,725
Soules.....	16,910	.....	16,910	14,309 69	2,549 94	1,599 62	18,459 25	14	.....	4	3	21	188	1,040
Soules.....	16,910	.....	16,910	14,309 69	2,549 94	1,599 62	18,459 25	14	.....	4	3	21	188	1,040

Speedwell No. 2.....	117,239	150,093 46	112,067 66	36,287 94	298,449 06	122	54	66	10	252	118	5,743	.....
St. Mary's.....	13,294	20,913 21	1,185 64	2,405 29	24,504 14	7	.....	2	1	10	120	935	.....
Submarine.....	5,570	202,741 64	65,199 32	34,841 70	302,782 66	5	176	60	23	229	104	589	.....
Sugar Valley.....	51,417	55,537 58	22,444 99	9,773 32	87,755 89	82	.....	22	14	116	146	3,426	.....
Sunbeam.....	92,220	106,226 11	51,127 64	17,594 10	174,947 55	102	.....	22	8	134	130	7,269	.....
Talleydale.....	244,575	261,454 55	76,029 09	22,456 30	390,539 85	20	169	68	12	264	134	4,524	.....
Vandalia No. 82.....	17,229	20,436 41	19,923 45	12,153 23	62,513 09	107	.....	12	6	125	24	1,536	.....
Wabash.....	108,877	308,954 50	139,337 60	49,737 97	498,030 00	101	162	96	29	388	140	9,722	.....
Water Lily.....	14,902	15,316 54	6,077 68	5,691 98	27,086 10	34	.....	6	4	44	64	686	.....
Willow Creek.....	55,503	67,938 87	26,474 07	15,432 59	109,883 50	101	.....	27	14	142	102	3,370	.....
Wizard No. 2.....	29,604	37,676 18	15,165 91	6,841 11	59,683 20	35	.....	10	6	51	130	2,544	.....
Vandalia No. 74.....	23,955	28,233 36	16,599 15	5,961 77	50,794 28	161	.....	51	17	229	30	1,216	.....
Total.....	2,152,070 2,677,735	\$5,455,776 38	\$2,414,344 17	\$948,518 97	\$8,713,335 99	4,426	1,844	1,670	659	8,577	4,714	211,786	178

WARRICK COUNTY

Caledonia No. 3.....	15,097	19,178 67	7,080 80	4,751 86	31,011 33	66	.....	21	10	97	13	1,017	.....
Castle Garden No. 6.....	516	655 93	3,194 00	1,318 75	5,168 68	23	.....	18	7	48	7	17	.....
Chandler.....	11,352	12,690 90	7,368 76	5,368 44	25,428 10	36	.....	9	5	50	78	517	.....
Cox.....	14,866	15,042 12	3,367 50	27,740 00	21,183 62	7	.....	3	2	12	275	937	.....
DeForest.....	181	10,813 02	6,807 90	4,097 52	21,718 44	51	.....	15	8	74	37	431	.....
Elbertfeld.....	8,452	85,551 10	43,788 13	22,041 79	151,380 92	17	87	25	15	144	87	7,496	.....
Epworth.....	63,584	41,944 94	12,911 70	8,363 18	62,219 82	81	.....	16	8	105	104	2,106	.....
Erle Canal.....	1,546	2,580 83	2,820 84	2,570 70	7,972 37	.....	.....	.....	.....	.....	.....	No reports	.....
Fricke and Blair.....	1,425	14,939 34	8,449 12	6,556 45	32,184 49	55	.....	16	11	82	45	579	.....
John Bull.....	1,974	1,876 11	6,586 90	1,789 86	10,252 87	.....	51	15	6	72	9	57	.....
Korf No. 1.....	39,727	55,739 05	33,864 66	14,241 17	103,944 88	55	56	22	8	141	114	1,383	.....
Polk Patch No. 5.....	11,616	12,106 00	5,382 91	7,948 29	25,437 30	7	45	10	15	77	30	221	.....
Red Shaft.....	37,128	44,448 85	14,136 08	9,752 44	68,337 37	56	.....	11	6	73	93	2,474	.....
Sargent No. 1.....	28,516	39,838 85	12,009 71	7,381 01	59,229 57	61	.....	13	5	79	91	1,929	.....
Sunlight No. 2.....	11,714	15,021 19	6,497 99	3,917 72	25,436 90	30	.....	9	4	43	14	969	.....
Sunlight No. 2.....	30,209	35,031 62	.....	18,321 40	53,353 02	43	.....	9	9	61	68	1,186	.....
Suwanee No. 1.....	3,706	3,897 69	1,251 66	1,001 17	6,128 43	.....	.....	.....	.....	.....	.....	No reports	.....
Horton No. 1.....	7,876	8,029 49	1,851 10	599 97	10,480 56	12	.....	3	6	21	95	237	.....
Total.....	240,164	\$419,385 61	\$177,447 66	\$122,795 72	\$720,868 57	600	239	215	125	1,179	1,100	15,556	.....

BLOCK MINES
CLAY COUNTY

COUNTY	PRODUCTION			WAGES PAID			AVERAGE NUMBER OF EMPLOYEES				EXPLOSIVES USED		REMARKS		
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine side	In- side	Out- side	Total		Num- ber Days Worked	Kegs of Pow- der miss- ible
American-Vitrified	.....	2,223	2,223	10,751 82	5,519 54	2,990 62	19,261 98	11	.....	4	3	18	241	258	.....
Brazil Clay No. 1.	1,525	.....	1,525	.....	990 04	23 94	1,083 98	.....	14	7	2	23	206	85	.....
Old Glory	.....	4,311	4,311	8,861 08	.....	.....	9,461 58	28	.....	4	3	35	41	.....	.....
Climax	3,674	.....	3,674	11,068 80	7,802 93	8,402 90	27,274 63	.....	25	11	10	46	75	211	.....
Plymouth No. 2	.....	3,728	3,728	7,236 90	4,154 40	3,820 55	15,211 85	26	.....	7	5	38	47	2,909	.....
Total	5,199	10,262	15,461	\$37,918 60	\$18,466 91	\$15,238 01	\$72,294 02	65	39	33	23	160	710	3,463	.....

OWEN COUNTY

Owen County No. 1		1,139	1,139	\$1,261 20	\$817 50	\$850 60	\$2,929 30	7		3	3	13	62	36	
Total		1,139	1,139	\$1,261 20	\$817 50	\$850 60	\$2,929 30	7		3	3	13	62	36	

VIGO COUNTY

Mary No. 2	3,759	48	3,807	\$6,645 46	\$13,657 62	\$2,961 03	\$23,264 11		47	25	12	74	29	46	
Total	3,759	48	3,807	\$6,645 46	\$13,657 62	\$2,961 03	\$23,264 11		47	25	12	74	29	46	

RECAPITULATION
Showing Total Production and Wages Paid in Indiana Mines for the Fiscal Year Ending September 30, 1922
BITUMINOUS MINES

COUNTY	PRODUCTION			WAGES PAID			AVERAGE NUMBER OF EMPLOYEES				Number Days Worked	EXPLOSIVES USED		Remarks
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Kegs of Pow- der	Lbs. mis- sible
Clay.....	41,991	172,639	214,630	\$240,149 43	\$114,402 63	\$63,533 21	\$417,686 27	319	65	112	60	556	10,055	.....
Davies.....	32,328	74,527	106,855	123,145 53	50,484 57	38,240 24	211,870 34	123	31	65	35	254	4,477	.....
Gibson.....	189,131	257,140	426,271	475,741 41	266,697 83	133,542 34	875,980 84	392	289	288	83	1,052	8,795	.....
Greene.....	1,238,293	298,643	1,536,936	1,676,892 27	841,894 57	110,581 49	2,848,083 33	620	1,246	676	324	2,866	34,590	.....
Knox.....	1,682,950	322,284	1,975,234	1,982,558 05	889,417 53	447,002 06	3,323,877 63	368	7	7	18	135	35,117	.....
Parke.....	5,019	61,199	66,218	86,253 39	35,214 56	29,200 19	150,568 14	92	7	18	18	104	5,035	.....
Pike.....	507,231	147,100	654,331	714,243 39	357,786 05	195,469 48	1,307,493 52	381	547	390	104	1,422	667	.....
Spencer.....	132	684	816	694 99	686 42	180 00	1,551 41	7	.....	2	1	10	39	.....
Sullivan.....	2,011,487	622,441	2,633,928	2,906,697 12	1,466,738 76	618,577 79	5,143,794 30	901	2,219	1,138	447	4,705	3,315	.....
Vanderburgh.....	.....	179,067	179,067	209,936 72	112,478 41	48,430 11	370,845 24	218	.....	87	40	345	363	.....
Vermillion.....	377,694	1,560,849	1,938,543	2,244,711 09	894,166 89	383,851 86	3,504,731 92	2,237	333	812	317	3,749	2,069	.....
Vigo.....	2,152,070	2,677,735	4,829,805	5,455,776 38	2,414,344 17	948,518 97	8,713,335 99	4,426	1,844	1,670	659	8,599	4,714	.....
Warrick.....	120,569	246,164	366,733	419,385 61	177,447 66	122,795 72	720,868 57	600	239	215	125	1,179	1,160	.....
Total.....	8,309,013	6,619,970	14,928,983	\$16,536,085 58	\$7,651,769 02	\$3,837,433 72	\$27,563,637 50	10,684	9,093	6,240	2,584	28,601	17,221	.....

BLOCK MINES

COUNTY	PRODUCTION			WAGES PAID			AVERAGE NUMBER OF EMPLOYEES				Number Days Worked	EXPLOSIVES USED		Remarks
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Kegs of Pow- der	Lbs. mis- sible
Clay.....	5,199	10,262	15,461	\$37,918 60	\$18,466 91	\$15,238 01	\$72,294 02	65	39	33	23	160	710	.....
Owen.....	.....	1,139	1,139	1,261 20	817 50	850 60	2,929 30	7	.....	3	3	13	62	.....
Vigo.....	3,759	48	3,807	6,645 46	13,657 62	2,961 03	23,264 11	.....	477	25	12	74	29	.....
Total.....	8,958	11,449	20,407	\$45,825 26	\$32,942 03	\$19,049 64	\$98,487 43	72	86	61	38	257	801	.....

GRAND TOTALS BITUMINOUS AND BLOCK MINES

COUNTY	PRODUCTION			WAGES PAID			AVERAGE NUMBER OF EMPLOYEES				Number Days Worked	EXPLOSIVES USED		Remarks
	Machine Mined	Pick Mined	Grand Total	Miners	Inside	Outside	Total	Pick Miners	Ma- chine	In- side	Out- side	Total	Kegs of Pow- der	Lbs. mis- sible
Bituminous Mines.....	8,309,013	3,619,970	11,928,983	\$16,536,085 58	\$7,651,769 02	\$3,837,433 72	\$27,563,637 50	10,684	9,093	6,240	2,584	28,601	17,221	.....
Block Mines.....	8,958	11,449	20,407	45,825 26	32,942 03	19,049 64	98,487 43	72	86	61	38	257	801	.....
Total.....	8,317,971	6,631,419	14,949,390	\$16,581,910 84	\$7,684,711 05	\$3,856,473 36	\$27,662,124 93	10,756	9,179	6,301	2,622	28,858	18,022	.....

CLAY COUNTY

NAME OF COMPANY	Address	Name of Mine	Location	Railroad
American Vitrefied Products Co.	Brazil.	No. 1.	¼ mile northwest of Brazil.	Product consumed
Bays-Logan Coal Company	Sullivan.	Red Rag.	1½ mile east of Coalmont.	C. T. H. & S. E.
Big Vein Mining Company	Terre Haute.	Lewis.	Near Coalmont.	C. T. H. & S. E.
Bolt & Son Coal Company	Coalmont.	No. 1.	2 miles west of Brazil.	Product consumed
Brazil Clay Company	Brazil.	Collieries No. 2.	Brazil.	Vandalia
Brazil Collieries Company	Brazil.	Hamilton-Heck.	1½ mile east of Turner.	E. & I.
Brazil District Mining Company	Brazil.	Climax.	Near Saline City.	C. & E. I.
Climax Coal & Clay Company	Saline City.	Plymouth No. 2.	2 miles west of Perth.	Tracton Line
Coal Bluff Mining Company	Terre Haute.	Cloverland.	Cloverland.	
Interurban Coal Company	Clinton.	Primrose No. 3.		
Kunkelman & Bennie Coal Company	Jasonville.	Miller No. 1.	Staunton.	Wagon
Miller Coal Company	Brazil.	Hyde.	Staunton.	Vandalia
Marmon-McBride & Hyde Coal Company	Terre Haute.	Powers No. 6.	Clay City.	Wagon
Rowland-Power Consolidated Collieries	Terre Haute.	Old Glory No. 8.	Near Coalmont.	C. T. H. & S. E.
Rowland-Power Consolidated Collieries	Coalmont.	South Side.	¼ mile northeast of Jasonville.	C. T. H. & S. E.
South Side Coal Company	Linton.	Island Valley.	Jasonville.	Pennsylvania
United Fourth Vein Coal Company	Jasonville.	White Ash.	2½ miles north of Brazil.	
White Ash Coal Company	Brazil.	No. 1.		
Hydraulic-Press Brick Company				

DAVIESS COUNTY

Commerce Coal Company	Evansville.	Thrifty No. 1.	Washington.	E. & I.
Davieess County Fuel Company	Montgomery.	Montgomery No. 4.	5 miles southwest of Washington.	
Green Mound Coal Company	Evansville.	Thrifty No. 2.	Washington.	E. & I.
Oak Grove Coal Company	Montgomery.	No. 1.		
Riverview Coal Company	Washington.	No. 1 Riverside.	No. 1 Riverside.	
South Washington Coal Company	Washington.	Sunnyside.		
White River Mining Company	Cannelburg.	No. 1.		

GIBSON COUNTY

Big Four Coal Company	Francisco.	Liberty.	½ mile south of Brown Station.	Southern
Bossa Coal Company	Evansville.	Bucksin No. 2.	1½ mile south of Fort Branch.	C. & E. I.
Fort Branch Coal Mining Company	Fort Branch.	No. 1.		
Francisco Mining Company	Francisco.	No. 1.	2½ miles south of Oakland City.	C. & E. I.
Oakland Coal Company	Oakland City.	Gudgel.	1 mile west of Princeton.	Southern
Princeton Coal Company	Princeton.	No. 1.	1¼ miles Southwest of Francisco.	Big Four
Francisco Mining Company	Francisco.	No. 2.		

GREENE COUNTY

Bon Ayr Coal Company.....	Terre Haute.....	No. 2.....	1½ miles north of Jasonville.....	C. M. & St. P.
Arydale Coal Company.....	Linton.....	Antioch No. 2.....	8 miles northwest of Linton.....	C. T. H. & S. E.
Big Twelve Coal Company.....	Linton.....	No. 1.....	3 miles southwest of Jasonville.....	Monon.....
Bon Ayr Coal Company.....	Linton.....	No. 1.....	Near Linton.....	C. T. H. & S. E.
Booker Coal Company.....	Linton.....	No. 1.....	¼ mile east of Jasonville.....	C. T. H. & S. E.
Calora Coal Company.....	Jasonville.....	No. 1.....	¼ mile east of Jasonville.....	C. T. H. & S. E.
Cathleen Coal Company.....	Jasonville.....	No. 2.....	Near Linton.....	C. T. H. & S. E.
Coal Ridge Mining Company.....	Linton.....	No. 1.....	2½ miles west of Midland.....	C. I. & L.
Green Valley Coal Company.....	Linton.....	No. 1.....	¼ mile northwest of Jasonville.....	C. T. H. & S. E.
Jewel Coal Company.....	Terre Haute.....	No. 1.....	2 miles west of Linton.....	Wagon.....
J. & M. Coal Company.....	Linton.....	No. 1.....	Near Linton.....	C. T. H. & S. E.
LeNoir Coal Company.....	Jasonville.....	No. 1.....	1 mile west of Midland.....	C. T. H. & S. E.
Linton-Summit Mining Company.....	Linton.....	Twin Nos. 5 and 6.....	2 miles southwest of Vicksburg.....	C. T. H. & S. E.
Persons Coal Company.....	Jasonville.....	Persons Nos. 4 and 5.....	Near Dugger.....	C. I. & L.
Queen Coal & Mining Company.....	Jasonville.....	No. 2.....	¼ mile south of Jasonville.....	C. T. H. & S. E.
Queen Coal & Mining Company.....	Jasonville.....	No. 3.....	½ mile south of Jasonville.....	C. T. H. & S. E.
Queen Coal & Mining Company.....	Jasonville.....	No. 3.....	1½ mile south of Jasonville.....	C. T. H. & S. E.
Queen Coal & Mining Company.....	Jasonville.....	No. 4.....	Midland.....	C. I. & L.
Rebecca Coal Company.....	Linton.....	No. 1.....	Vicksburg.....	Monon.....
Sleepy Eye Mining Company.....	Dugger.....	No. 1.....	4 miles west of Linton.....	P. C. C. & St. L.
Spring Valley Coal Company.....	Linton.....	No. 1.....	1 mile northwest of Linton.....	C. T. H. & S. E.
United Fourth Vein Coal Company.....	Black Creek.....	No. 1.....	Near Vicksburg.....	C. T. H. & S. E.
Vicksburg Coal Company.....	Linton.....	No. 6.....	2 miles west of Jasonville.....	C. T. H. & S. E.
Vigo Mining Company.....	Terre Haute.....	No. 6.....		

KN OX COUNTY

American Coal Mining Company.....	Bicknell.....	No. 3.....	3½ miles southwest of Bicknell.....	I. & V.
American Coal Mining Company.....	Bicknell.....	No. 1.....	4 miles south of Bicknell.....	I. & V.
American Coal Mining Company.....	Bicknell.....	No. 2.....	2½ miles south of Bicknell.....	P. C. C. & St. L.
Bicknell Mining Company.....	Bicknell.....	No. 1.....	Bicknell.....	I. & V.
Columbia Coal Company.....	Bicknell.....	No. 1.....	1 mile south of Bicknell.....	Vandalia.....
Indiana Power Company.....	Bicknell.....	Lynn No. 1.....	Bicknell.....	I. & V.
Howe-Coulter Coal Company.....	Bicknell.....	Teunmsh No. 2.....	1 mile southeast of Bicknell.....	I. & V.
Howe-Coulter Coal Company.....	Bicknell.....	Teunmsh No. 3.....	1 mile south of Bicknell.....	I. & V.
Knox Consolidated Coal Company.....	Bicknell.....	No. 3.....	5 miles south of Bicknell.....	I. & V.
Knox County Fourth Vein Coal Company.....	Bicknell.....	Westphalia.....		
Oliphant-Johnson Coal Company.....	Vincennes.....	No. 1.....	Brucerville.....	I. & V.
Pan Handle Coal Company.....	Bicknell.....	No. 5.....	1 mile east of Bicknell.....	Vandalia.....
Pan Handle Coal Company.....	Bicknell.....	No. 6.....	1 mile east of Bicknell.....	Vandalia.....
Ridge Coal Mining Company.....	Bicknell.....	No. 1.....	Near Bicknell.....	
Standard Coal Company.....	Vincennes.....	Wheatland.....		
River Valley Coal Company.....	Bicknell.....	No. 1.....	½ mile south of Edwardsport.....	I. & V.

OWEN COUNTY

NAME OF COMPANY	Address	Name of Mine	Location	Railroad
Owen County Coal Company.....	Coal City.....	No. 1.....	2 miles south of Coal City.....	E. & I.

PARKE COUNTY

Ames Coal Company.....	Carbon.....	No. 1.....	2¼ miles north of Carbon.....	No Railroad
Bright Gem Coal Company.....	Brazil.....	Irene.....	1 mile east of Jessup.....	Vandalia
Harrison, W. P., & Sons Coal Company.....	Rockville.....	Frog Pond.....	.....	Vandalia
Rockville Coal Mining Company.....	Rockville.....	No. 1.....	1¼ mile south of Rockville.....	.....
Sand Creek Coal Company.....	Terre Haute.....	No. 1.....	.....	.....
Williams Creek Coal Company.....	Rockville.....	No. 1.....	.....	.....

PIKE COUNTY

Ayrshire Coal Company.....	Oakland City.....	No. 6.....	3¼ miles west of Winslow.....	Southern
Ayrshire Coal Company.....	Oakland City.....	No. 7.....	4 miles southwest of Winslow.....	Southern
Ayrshire Coal Company.....	Oakland City.....	No. 8.....	Near Ayrshire.....	Southern
Fork Ridge Coal Company.....	Oakland City.....	No. 1.....	3 miles east of Oakland City.....	Southern
Gladstone Coal Company.....	Petersburg.....	No. 1.....	.....	.....
Hartwell Coal Company.....	Ha. twell.....	No. 1.....	.....	.....
Howe-Coulter Coal Company.....	Petersburg.....	Atlas No. 1.....	Northeast of Petersburg.....	E. & I.
Howe-Coulter Coal Company.....	Petersburg.....	Simplex No. 3.....	1½ mile north of Petersburg.....	E. I. & T. H.
Turkey Knob Mining Company.....	Winslow.....	Beech.....	6 miles south of Winslow.....	Southern
Winslow Mining Company.....	Winslow.....	No. 2.....	.....	.....

SPENCER COUNTY

Fox Hill Coal Mining Company.....	Huntingburg.....	No. 1.....	1¼ miles east of Lincoln City.....	Southern
Oak Knob Mining Company.....	Lincoln City.....	No. 1.....	.....	.....

SULLIVAN COUNTY

Big Muddy Coal Company.....	Shelburn.....	Kettle Creek No. 27.....	Hymera.....	C. & E. I.
Birchwood Coal Company.....	Terre Haute.....	No. 1.....	3 miles east of Farmersburg.....	C. & E. I.
Busram Creek Coal Company.....	Terre Haute.....	No. 1.....	2½ miles southwest of Shelburn.....	I. C.
Chicago-Carlisle Coal Company.....	Shelburn.....	Carlisle No. 1.....	Dugger.....	C. & E. I.
Chicago-Carlisle Coal Company.....	Dugger.....	Reliance.....	Near Sullivan.....	C. & E. I.
Dugger-Mutual Coal Company.....	Terre Haute.....	Keeley No. 1.....	3 miles east of Farmersburg.....	C. T. H. & S. E.
Elbow Vale Coal Company.....	Sullivan.....	No. 1.....	5 miles northeast of Sullivan.....	Monon
Enterprise Coal Mining Company.....	Farmersburg.....	Road.....	4 miles southeast of Hymera.....	C. M. St. P.
Glendora Coal Company.....	Sullivan.....	Baker No. 1.....	½ mile east of Hymera.....	E. & T. H.
Hamilton Coal Company.....	Linton.....	No. 1.....	1 mile east of Paxton.....	C. & E. I.
Hamilton Coal Company.....	Linton.....	Mohawk.....	2½ miles southeast of Shelburn.....	C. & E. I.
Hymera Coal Company.....	Hymera.....	No. 2.....	1½ mile east of Shelburn.....	E. I. & L.
Hymera-Mutual Coal & Mining Company.....	Sullivan.....	Mayflower.....	2 miles south of Farmersburg.....	C. & E. I.
Indiana & Illinois Coal Corporation.....	Terre Haute.....	Paxton No. 8.....	4 miles southwest of Linton.....	I. C.
Jackson Hill Coal & Coke Company.....	Terre Haute.....	No. 4.....	3 miles east of Farmersburg.....	Wagon
Jackson Hill Coal & Coke Company.....	Linton.....	No. 7.....		
Linton Coal Company.....	Farmersburg.....	Little Betty.....		
Republic Coal Company.....	Linton.....	Hooking No. 2.....		
Rose Hill Coal Company.....	Terre Haute.....	No. 1.....		
Rowland-Power Consolidated Collieries.....	Farmersburg.....	No. 1.....		
Shelburn Valley Coal Company.....	Sullivan.....	Virginia.....		
Shelburn Indiana Mining Company.....	Shelburn.....	No. 1.....		
Six Vein Coal Company.....	Shelburn.....	No. 2.....		
Six Vein Coal Company.....	Shelburn.....	No. 5.....		
Star City Mining Company.....	Shelburn.....	No. 7.....		
Sunflower Coal Company.....	Dugger.....	No. 1.....		
Syndicate Coal Company.....	Dugger.....	No. 1.....		
Templeton Coal Company.....	Sullivan.....	Glendora No. 26.....		
Templeton Coal Company.....	Sullivan.....	Peerless No. 27.....		
Templeton Coal Company.....	Sullivan.....	St. Clair No. 30.....		
Vandalia Coal Company.....	Terre Haute.....	No. 10.....		
Vandalia Coal Company.....	Terre Haute.....	No. 12.....		
Vandalia Coal Company.....	Terre Haute.....	No. 16.....		
Vandalia Coal Company.....	Terre Haute.....	No. 17.....		
Vandalia Coal Company.....	Terre Haute.....	No. 23.....		
Vandalia Coal Company.....	Terre Haute.....	No. 25.....		
Vigo Mining Company.....	Terre Haute.....	No. 22.....		
Vigo Mining Company.....	Terre Haute.....	No. 27.....		
Vigo Mining Company.....	Terre Haute.....	No. 28.....		
Vigo Mining Company.....	Terre Haute.....	No. 29.....		
Wooley, J., Coal Company.....	Evansville.....	Mildred No. 2.....		
Seventh Vein Coal Company.....	Terre Haute.....	Cummins.....		

VANDERBURGH COUNTY

NAME OF COMPANY	Address	Name of Mine	Location	Railroad
Crescent Coal Company.....	Evansville.....	No. 1.....	Evansville.....	L. & N.
Diamond Coal Company.....	Evansville.....	No. 1.....	Evansville.....	Wagon.
Sunnyside Coal Company.....	Evansville.....	No. 1.....	Evansville.....	L. & N.

VERMILION COUNTY

Bickett-Shirkie Coal Company.....	Terre Haute.....	No. 1.....	1 mile northeast of Libertyville.....	C. T. H. & S. E.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 2.....	1½ mile southwest of Clinton.....	C. & E. I.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 3.....	1¼ mile southwest of Clinton.....	C. & E. I.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 4.....	5 miles southwest of Clinton.....	C. T. H. & S. E.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 5.....	4¾ miles northwest of Clinton.....	C. T. H. & S. E.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 6.....	3 miles southwest of Clinton.....	C. & E. I.
Clinton Coal Company.....	Clinton.....	Crown Hill No. 7.....	3 miles south of Dana.....	C. I. & W.
Dana Coal & Mining Company.....	Dana.....	No. 1.....	3½ miles south of Clinton.....	C. & E. I.
Dering, J. K., Coal Company.....	Clinton.....	Dering No. 8.....	1 mile north of Libertyville.....	C. T. H. & S. E.
Devore & Clark Coal Company.....	Eugene.....	No. 1.....	1 mile north of Libertyville.....	C. T. H. & S. E.
Essanbee Mines Company.....	Terre Haute.....	No. 1.....	3 miles southwest of Clinton.....	C. T. H. & S. E.
Indiana & Illinois Coal Corporation.....	Clinton.....	Keller No. 1.....	2¼ miles south of Clinton.....	C. & E. I.
Indiana & Illinois Coal Corporation.....	Clinton.....	Keller No. 2.....	½ mile from Blanford.....	C. T. H. & S. E.
Indiana & Illinois Coal Corporation.....	Clinton.....	Keller No. 5.....	3 miles northwest of Libertyville.....	C. T. H. & S. E.
Interstate Coal Company.....	Terre Haute.....	No. 1.....	1¼ mile north of Newport.....	C. & E. I.
Jackson Hill Coal & Coke Company.....	Terre Haute.....	No. 6.....	Universal.....	C. & E. I.
Newport Coal Mining Company.....	Newport.....	No. 1.....	Universal.....	C. & E. I.
Tighe Coal Company.....	Terre Haute.....	No. 1.....	Universal.....	C. & E. I.
United States Fuel Company.....	Universal.....	Universal No. 4.....	2½ miles northwest of Clinton.....	C. & E. I.
United States Fuel Company.....	Universal.....	Universal No. 5.....	7½ miles northwest of Clinton.....	C. T. H. & S. E.
Vermilion Coal Company.....	Clinton.....	No. 1.....		
West Clinton Coal Company.....	Terre Haute.....	No. 1.....		
Whitlock Coal Company.....	Clinton.....	No. 1.....		

VIGO COUNTY

Binkley, L. G. Coal Company	Terre Haute.	Pine Ridge.	Near Terre Haute.	Vandalia
Burnett Coal Mining Company	Terre Haute.	No. 1.	No. 1.	C. & E. I.
Burnett Coal Mining Company	Terre Haute.	No. 2.	No. 2.	C. & E. I.
Crawford Coal Company	Brazil.	No. 1.	1 mile northwest of Terre Haute.	
Deep Fourth Vein Coal Company	Clinton.	No. 1.	Clinton.	
Dering, J. K. Coal Company	Terre Haute.	No. 6.	2 miles north of Seelyville.	
Dry Fork Coal Company	Terre Haute.	No. 1.	Pimento.	C. & E. I.
Eureka Block Coal Company	Terre Haute.	Old Soules.	7 miles northwest of Terre Haute.	C. T. H. & S. E.
Payette Realty & Development Company	Terre Haute.	Dixie Bee.	Clinton.	C. T. H. & S. E.
Ferguson Coal Company	Terre Haute.	Submarine.	Fontanet.	
Fontanet Coal Company	Fontanet.	No. 1.	1½ miles west of Tecumseh.	C. T. H. & S. E.
Fort Harrison Mining Company	Terre Haute.	Diamond No. 2.	New Goshen.	C. T. H. & S. E.
Fort Harrison Mining Company	Terre Haute.	Bardoke.	1½ mile south of West Tecumseh.	C. T. H. & S. E.
Fort Harrison Mining Company	Terre Haute.	Clovely.	1 mile southwest of Glen Ayr.	C. T. H. & S. E.
Glen Ayr Coal Company	Terre Haute.	Talleydale.	3 miles east of Terre Haute.	Vandalia
Glenco Coal Company	Terre Haute.	No. 1.	5 miles east of Terre Haute.	Wagon
Glendale Coal Company	Terre Haute.	No. 1.	1 mile south of Shirkville.	C. T. H. & S. E.
Glenjean Coal Company	Terre Haute.	No. 1.	1 mile west of New Goshen.	C. T. H. & S. E.
Grant Coal Mining Company	Terre Haute.	Maple Grove.	1 mile west of West Terre Haute.	Vandalia
Hall-Zimmerman Coal Company	Terre Haute.	Wizard No. 2.	8 miles south of Clinton.	C. & E. I.
Harris & Gregory Bros. Coal Company	Terre Haute.	Hein.	2 miles northwest of West Terre Haute.	C. C. C. & St. L.
Jackson Hill Coal & Coke Company	Terre Haute.	No. 5.	1¼ mile northwest of West Terre Haute.	C. C. C. & St. L.
Lower Vein Coal Company	Terre Haute.	Lower Vein No. 1.	Black Hawk.	
Lower Vein Coal Company	Terre Haute.	Speedwell No. 2.		
McGlelland Coal Company	Terre Haute.	No. 1.		
Miami Coal Company	Black Hawk.	Black Hawk.		
Miami Coal Company	Terre Haute.	Miami No. 4.	4 miles south of Clinton.	C. & E. I.
Miami Coal Company	Terre Haute.	Miami No. 5.	6 miles south of Clinton.	C. & E. I.
Miami Coal Company	Terre Haute.	Miami No. 6.	6 miles south of Clinton.	C. & E. I.
Miami Coal Company	Terre Haute.	Miami No. 8.	7 miles southwest of Clinton.	C. & E. I.
Miami Coal Company	Terre Haute.	Miami No. 9.	8 miles south of Clinton.	C. & E. I.
Miami Coal Company	Terre Haute.	Miami No. 10.	3 miles north of Fontanet.	C. & E. I.
Otter Creek Coal Company	Brazil.	Mary No. 2.	2 miles north of Fontanet.	C. & E. I.
Otter Creek Coal Company	Brazil.	Mary No. 3.	Ehrmandale.	Vandalia
Otter Valley Coal Company	Brazil.	No. 1.	1 mile south of Seelyville.	
Puritan Coal Company	Brazil.	American Eagle.		
Richards & Sons Coal Company	Terre Haute.	No. 1.	2 miles northwest of Riley.	E. & I.
Riley Coal Company	Terre Haute.	Water Lily.	3 miles east of Sanford.	C. C. C. & St. L.
Sanford Mining Company	Terre Haute.	No. 2.	3 miles northwest of Terre Haute.	C. T. H. & S. E.
Shirley Coal Company	Terre Haute.	No. 1.	1 mile west of West Terre Haute.	Product consumed
Sisters of Providence Coal Company	St. Marys.	St. Marys.	2½ miles northwest of West Terre Haute.	Vandalia
Sugar Valley Coal Company	Terre Haute.	No. 1.	1 mile southwest of West Terre Haute.	Vandalia
Sunbeam Coal Company	Terre Haute.	No. 1.	Ligeet.	Vandalia
Unionites Coal Company	West Terre Haute.	National.	¾ mile north of Fontanet.	C. C. C. & St. L.
Vandalia Coal Company	Terre Haute.	No. 82.	2 miles north of West Terre Haute.	C. C. C. & St. L.
Western Indiana Mining Company	Terre Haute.	Musshall-Plymouth.	2 miles north of West Terre Haute.	C. C. C. & St. L.
Western Indiana Mining Company	Terre Haute.	Riverside.	Seelyville.	Vandalia
Willow Creek Coal Company	Terre Haute.	Wabash.		
		No. 1.		

WARRICK COUNTY

NAME OF COMPANY	Address	Name of Mine	Location	Railroad
Archbold, John, Coal Company.....	Evansville.....	Red Shaft.....	1½ mile east of Newburg.....	E. S. & N.
Big Four Coal Company.....	Boonville.....	No. 3.....	2 miles east of Boonville.....	Southern
Boonville Coal Company.....	Evansville.....	DeForest.....		
Bryan, Joe A., Coal Company.....	Evansville.....	Chandler.....	1 mile west of Chandler.....	Southern
Bosse Coal Company.....	Evansville.....	Korfi No. 1.....	3 miles west of Boonville.....	Southern
Cypress Creek Coal Company.....	Boonville.....	John Bull.....	3 miles west of Boonville.....	Southern
Cox Coal Company.....	Newburgh.....	No. 1.....	Yankee town.....	
Elberfeld Co-Operative Coal Company.....	Elberfeld.....	No. 1.....	¼ mile southwest of Elberfeld.....	Southern
Erie Canal Coal Company.....	Boonville.....	No. 1.....	Erie Canal.....	E. & I.
Fricke & Blair Coal Company.....	Newburgh.....	No. 1.....	3½ miles west of Boonville.....	E. S. & N.
Horton Coal Company.....	Newburgh.....	No. 1.....	1½ mile east of Yankee town.....	E. & O. V.
Key Coal Company.....	Evansville.....	Caledonia No. 3.....	1½ mile northeast of Chandler.....	Wagon
Newburgh Coal Company.....	Newburgh.....	Epworth.....	1½ mile west of Newburgh.....	E. S. & N.
Sargeant Coal Company.....	Newburgh.....	No. 1.....	¼ mile north of Newburgh.....	E. S. & N.
Sunlight Coal Company.....	Newburgh.....	No. 2.....	1½ mile west of Newburgh.....	E. S. & N.
Sunlight Coal Company.....	Boonville.....	No. 2.....		
Sunlight Coal Company.....	Boonville.....	No. 4.....		
Swanee Coal Company.....	Newburgh.....	No. 1.....	1¼ mile southeast of Yankee town.....	E. & O. V.
Warrick Coal Mining Company.....	Boonville.....	Polk Patch No. 5.....	5 miles northwest of Boonville.....	Southern
Woolley, J., Coal Company.....	Evansville.....	Castle Garden No. 6.....	2 miles west of Chandler.....	Southern
Cash Coal Company.....	Boonville.....	Cash No. 1.....	½ mile east of Boonville.....	

REPORT OF THE DEPARTMENT OF WOMEN AND CHILDREN

For the Fiscal Year Ending September 30, 1922

PERSONNEL

MRS. L. LUELLA COX, Director.

MISS SARAH LOUISE PROCTOR, Assistant, Union City.

*MISS NELLE WOOD, Secretary, Indianapolis.

MISS EDITH VENN, Certificate Clerk and Investigator, Indianapolis.

The following is a brief summary of the office and field work of the department accomplished with the assistance of one worker in the field for eleven months, one secretary-clerk and one woman who divided her time since March 13th between the office and field work, spending two months in the field during this time. We were without a secretary-clerk for two months during the summer and during this time a school girl assisted in the office.

INSPECTIONS AND ORDERS

Cities in which inspections were made	177
Plants inspected	932
Plants visited but not inspected	3
Men employed in plants inspected	54,101
Women employed in plants inspected	20,923
Boys under 16 and girls under 18 years of age	3,002
Orders and recommendations issued	3,535

The orders issued covered the following subjects:

Seating	258
Lighting	44
Ventilation	121
Sanitation	316
General working conditions	400
Postings	342
Register and license	54
Hours	463
Meal period	47
Under 14 years of age	21
Certificates	1,055
Prohibited occupations	39
Warnings	375

Of the 747 orders not complied with at the close of the fiscal year, the greater number were those issued to canners during September and the latter part of August. As the fiscal year ends September 30th, it could not be expected that these orders would all be complied with in time to be included in the report.

Special letters of commendation were sent to 53 employers because of the excellent working conditions found in their plants.

Number and nature of violations of law concerning employment of women and minors:

Minors 14 to 16 years of age working without employment certificates.....	284
Minors 16 to 18 years of age working without minors' certificates.....	910

*Miss Wood resigned June 1st and Miss Beryl Reed of East Chicago took her place.

Minors under 14 years of age.....	31
Minors 14 to 16 years of age working over 8 hours per day.....	128
Minors 14 to 16 years of age working over 6 days per week.....	13
Minors 14 to 16 years of age working after 7 p. m.....	17
Girls 16 to 18 working over 8 hours per day under new law.....	237
Girls 16 to 18 working over 6 days per week.....	3
Girls 16 to 18 working after 7 p. m.....	25
Girls 16 to 18 working before 6 a. m.....	3
Minors working at prohibited occupations.....	32
Minors employed with hours not posted nor register kept.....	462
Employers violating one or more provisions of employment law.....	375
Warnings issued	375
Firms listed for reinspection	171

PROSECUTIONS

Four affidavits were filed with the prosecuting attorney of St. Joseph County covering two cases. The defendants were found guilty in both cases and fines assessed. Six affidavits were filed with the prosecuting attorney of Marion County covering a theater case, three affidavits being filed against the theater manager and three covering the same violations against the manager of the act. The manager of the act was found guilty on each count and fines assessed, while the manager of the theater was found not guilty, the case being tried before a different judge. The cases of four cannerymen violating the child labor law a second time and after warnings had been issued are still pending.

ACCIDENTS

The department investigated the cases of 946 minors 18 years of age and under who were injured in industry during the year. Of this number 502 were illegally employed and not compensable under the Indiana Workmen's Compensation Act. Three cases were referred to the factory inspection department for safeguarding the machinery on which the accidents occurred.

CHILDREN IN INDUSTRY AND EMPLOYMENT CERTIFICATES

It was thought that the enforcement of the new compulsory school attendance law would greatly lessen the work of the certificate clerk, as fewer children would leave school under the higher educational requirements and enter industry. The number of certificates releasing children from school attendance and permitting their employment has greatly decreased, but there has been a greater corresponding increase in the number of vacation and holiday certificates and in certificates of age for minors over 16 years. Because of these increases there has been little if any decrease in the work of the certificate clerk. Approximately 28,335 certificates have been received, edited and filed, distributed as follows: employment certificates, 3,338; vacation and holiday certificates, 6,026; age certificates, 16,096. In addition the number of notices of certificates refused and notices from employers of the employment of minors would make the number of documents handled in this line of work approximately 35,000.

The work of certificating requires the co-operation of the Industrial Board and the State Board of Attendance with school officials, attend-

ance officers, health officers and employers. During the year we held 262 conferences in 68 cities of 41 counties, as follows:

City superintendents	54
County superintendents	33
Issuing officers	34
Attendance officers	2
Probation officers	3
County health officers	23
City health officers	30
County or city officials	9
Court officials	5
Employers	46
School boards	13
Miscellaneous	10

WOMEN IN INDUSTRY

Of the 932 plants inspected, 570 employed women in the production or service department and 460 employed women in offices. Many plants employing women in the office employed only men and boys in the shops.

Perhaps for the first time in the history of the state all the canneries were inspected during the same canning season. Of the 157 canneries inspected, 141 were operating this season. A separate report of the canneries has been made and will be found on page ...

The following tables summarize the data collected concerning hours of employment in the plants inspected. The hours of employment of men in production or service departments have been tabulated so that a comparison can be made with the hours of employment of women in a state having no law limiting hours for women.

Of the women who were employed in the shops 84.3 per cent worked more than 8 hours per day and 73.7 per cent of the men worked more than 8 hours per day. Of women in clerical work 25.4 per cent only worked more than 8 hours per day.

The hours indicated on Tables I, II, and III are the regular schedules and take no account of overtime, to which there is no legal limit in Indiana. One hundred three plants reported overtime ranging from 30 minutes on an 8-hour schedule to all night overtime at least one night in the week. The daily and weekly schedules of hours in the 141 canneries inspected are included in the following tables. A separate table of the hours obtaining in canneries will be found on pages 206 and 207.

TABLE I.
SHOWING DAILY AND WEEKLY SCHEDULES OF HOURS IN 460 PLANTS EMPLOYING 2001 WOMEN IN OFFICES.*

WEEKLY HOURS	Number Firms on Weekly Schedule	Number Women on Weekly Schedule	NUMBER OF FIRMS AND WOMEN OPERATING ON SPECIFIED SCHEDULES.													
			Daily Hours Under 8		Daily Hours 8+		Daily Hours 9		Daily Hours 9+		Daily Hours 10		Daily Hours 10+		Daily Hours 11	
			Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women
Under 44 Hrs.....	53	199	55	167	2	2	1	30								
44-46 Hrs.....	157	1,072	7	12	145	1022	5	38								
46-48 Hrs.....	34	139			12	39	22	100								
48-50 Hrs.....	87	296			74	253	9	25	4	18						
50-52 Hrs.....	50	137			4	7	16	51	29	78	1	1				
52-54 Hrs.....	8	14					3	5	2	3	6					
54-56 Hrs.....	36	89					3	7	28	74	5	8				
56-58 Hrs.....	6	14			1		1	5	4	7						
58-60 Hrs.....	5	17									1	8				
60-62 Hrs.....	17	21									17	21				
62-64 Hrs.....																
64-66 Hrs.....	2	3									2	3				
Over 66 Hrs.....																
Totals on Daily Schedules.....	460	2,001	62	179	238	1325	60	261	67	180	7	15	26	41		
Percent of Women on Daily Schedules.....				8.9		66.2		13.		9.		.7		2.		

*In 3 offices 4 women worked 9 hours per day 4 days, 10 hours 1 day, and 11 hours 1 day, making 57 hours per week. These are not included in the table.

TABLE II.
SHOWING DAILY AND WEEKLY SCHEDULES OF HOURS IN 570 PLANTS EMPLOYING 18,574 WOMEN IN PRODUCTION AND SERVICE.*

WEEKLY Hours	Number Firms on Weekly Schedule	Number Women on Weekly Schedule	NUMBER OF FIRMS AND WOMEN OPERATING ON SPECIFIED SCHEDULES.																									
			Daily Hours Under 8		Daily Hours 8		Daily Hours 8+		Daily Hours 9		Daily Hours 9+		Daily Hours 10		Daily Hours 11		Daily Hours 11+		Daily Hours 12		Daily Hours 12+		Daily Hours 13		Daily Hours 13+			
			Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women	Firms	Women		
Under 44 Hrs.....	42	362	26	161	10	85	1	35	1	10	1	6	3	65														
44-46 Hrs.....	98	1,567	1	9	74	1138	7	152	15	257	3	49	1	11														
46-48 Hrs.....	26	596			5	13	14	472	3	44	3	18	1	18														
48-50 Hrs.....	100	4,708	3	3	59	1444	20	854	15	2343	1	50	1	4	1	10												
50-52 Hrs.....	102	2,588			1	1	9	98	80	2299	4	12	7	72	1	106												
52-54 Hrs.....	30	2,393			1	12	1	18	7	183	17	2041	4	139														
54-56 Hrs.....	69	1,780					2	17	27	522	7	179	33	1062														
56-58 Hrs.....	19	215			4	61			6	85	4	18	5	51														
58-60 Hrs.....	10	91					1	4	2	47	2	4	3	20	2	16												
60-62 Hrs.....	50	3,201							2	170	1	17	47	3028														
62-64 Hrs.....	3	111							2	105			1	6														
64-66 Hrs.....	4	344							1	4			2	217														
Over 66 Hrs.....	17	618											1	7														
Totals on Daily Schedules.....	570	18,574	30	173	154	2754	55	1650	160	5969	41	2337	108	4689	4	132	2	140	2	3	7	159	1	38	4	402	2	78
Percent of Women on Daily Schedules.....				.9		14.8		8.8		32.1		12.6		25.2		.7		.8				.9		.2		2.1		.4

*In 7 stores 27 women worked 9 hours a day for 4 days, 10 hours 1 day and 11 hours 1 day making a 57 hour week; and 65 women worked 9 hours for 4 days, 10 hours 1 day and 12 hours 1 day making a 58 hour week. In 3 hotels 232 women worked irregular hours ranging from 7 hours per day to 12 hours and from 52 hours per week to 69 hours per week. In 2 telephone exchanges 10 women worked from 8 to 10 hours per day and from 48 to 70 hours per week. In one automobile plant 10 women worked 8 hours per day for 2 days and 10 hours for 3½ days making a 51 hour week. In a glass factory 10 women worked 8 hours per day and 48 per week, and 5 worked 12 per day and 72 per week. These are not included in the table.

RECOMMENDATIONS

A summary of the work of vocational guidance and placement in the two junior employment offices will be found in the report of the State Free Employment Service.

We again call attention to the importance of:

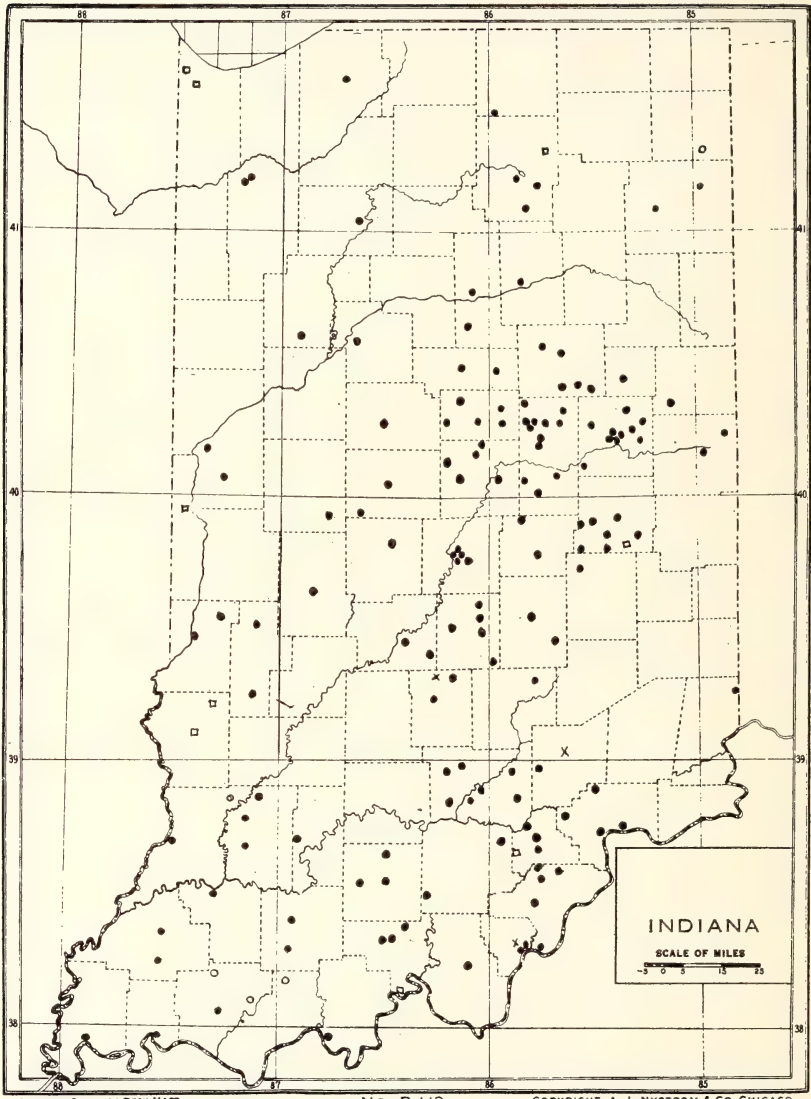
1. Extending vocational guidance to all minors under 18 years of age who leave school to enter employment. This service is provided for in the junior section of the state free employment act.

2. Broadening the scope of the board of children's guardians law until it will be unnecessary for children under 16 years of age to remain out of school to relieve economic pressure in the home. Extending this work will do much to ward off the passage of a mothers' pension law, which might not be as effective as our present law if adequately administered.

3. Amending the workmen's compensation law to include children whether legally employed or not, and providing for triple compensation in cases of injury to children illegally employed. This would do away with the possibility of suits for damages under the common law and would seem to be fairer to both children and to employers.

4. Making part-time school mandatory in all school corporations having twenty children working on certificates.

5. The passage as a health measure of a law limiting the hours of employment for women. As the state now has no limit on the number of hours women may work, except the limit on night work in manufacturing plants, a nine-hour law would greatly improve present conditions. Table II indicates that 42.9 per cent of the women working outside of offices would be affected by a nine-hour law.



- JOHNSTON SERIES OF DESK MAPS
- Plants inspected
 - x Closed at time of inspection
 - Not operating this year
 - Not visited

No. D 113

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MAP SHOWING LOCATION OF CANNERIES

REPORT ON CANNERIES

*1922

A survey of the canning factories of Indiana was begun August 23d and finished October 5th. The investigation covered 164 equipped plants. Eleven of these were closed during the 1922 season and part had not operated for one or two previous years. It was impossible to obtain authoritative data for 12 others closed at the time of inspection. The remaining 141 canneries were made the basis of the following tables and discussions. A total of 6,132 males and 6,143 females were employed at the time of inspection. This may be considered as an average for the season, since about half of the plants were visited either before or after the rush and one-half during the capacity runs.

Indiana ranks high in the list of canning states. Census figures for Indiana show that "Canned vegetables (apart from canned fruits, pickles, preserves and sauces) was the product of chief value in 1919 as in 1914, forming 51.7 per cent and 58.4 per cent, respectively, of the total value of products of the industry in the state. Measured by value, the most important products in 1919 were canned beans and canned tomatoes, forming 43.1 per cent and 16.9 per cent, respectively, of the total for vegetables. The total value of the industry increased \$13,956,965, or 100.7 per cent, during the five-year period 1914-1919."

A statement given out by the United States Department of Agriculture indicates that Indiana led all states this year in the production of tomatoes for canning and preserving, growing "in excess of 27 per cent of the entire tomato crop of the United States intended for use in manufacturing, and more than 50 per cent of the entire crop of tomatoes for manufacture in the United States last year. * * * Indiana's production this year almost equalled that of the two states next in rank. Among the largest tomato producing states and their yields for this year are: Indiana, 271,534 tons; California, 173,786 tons; Maryland, 111,510 tons; New Jersey, 81,398 tons; New York, 63,245 tons; Ohio, 56,847 tons; Missouri, 37,163 tons; Delaware, 31,712 tons; and Utah, 30,287 tons."

On June 20, 1922, the United States Department of Agriculture issued estimates of the acreage of corn, peas, snap-beans, and tomatoes grown for canning in the various states. For tomatoes, Indiana ranked first with 52,175 acres; Maryland second with 43,629; New Jersey third with 28,217 acres; California fourth with 22,902 acres; and Ohio fifth with 11,756 acres. Indiana stands eighth in point of acreage for corn and eleventh for peas. Snap-beans in Indiana are of so little relative importance that they were not reported.

Practically all canning in the state is done for wholesale trade, but a few plants cater to local families and do what is called custom canning. There are about five of these small firms in the central part of the state. Madison County seems to be the center of this phase of the industry. Customers are required to string and snap all beans brought to be canned, but all other vegetables and fruits are prepared

*Data for this report were collected by Miss Sarah Louise Proctor and Miss Edith Venn. The report was written by Miss Proctor.

at the cannery. The factory furnishes the cans and charges from 6 to 10 cents per can.

Indiana plants put up a variety of foods, with tomatoes, beans, corn, hominy and peas leading in value and amount. Other products are pumpkin and squash, kraut, red kidney beans, green beans, preserves, soups, beets, milk, lima beans, syrup and molasses, olives, berries, apples, cherries, pimentos, peaches, spaghetti, spinach, sweet potatoes, okra, meat sauce, peanut butter, salad dressing.

In a normal year, peas, the first crop of the season, are ready for the cannery about the middle of June. String beans are matured for snapping the last of June, but some varieties are canned even as late as September. Corn is usually marketable during the month of August. Tomatoes ripen from about the middle or last of August until the frost kills the plants. This year the tomato season extended through the first weeks of October. Kraut, hominy and pumpkin are the late fall products and only a few plants have equipment for their canning. Practically all shelled beans are shipped in from Michigan. Quite a few plants have overcome the highly seasonal character of the canning industry by utilizing off seasons for the canning of pork and beans, salad dressing, pickles, peanut butter, chocolate, preserves, soup, hominy and catsup. The latter is made from pulp canned during August and September. Thirteen of the plants visited operate all the year, one being the largest canning factory in the state.

According to the 1919 census of manufactures, Indiana was fifth in kraut production. The state canned \$828,073 worth of hominy, or 64 per cent of the whole crop. It likewise put up 22 per cent of the baked beans canned in the United States and 1,908,101 more cans than any other state; the crop being valued at \$6,720,466. The state canned 30.9 per cent of all beans other than baked or string beans, at a value of \$357,534. In addition, the state led in the canning of pumpkin, with 30 per cent of the total output, which was valued at \$247,755.

The canneries are grouped in a few counties, Madison County leading with 12 plants; Delaware, 10; Henry and Jackson, 7 each; and Johnson, Hamilton and Clark, 5 each. The other 90 plants are scattered through 56 counties, 29 counties only in the state having no canneries. The crop in the northern part of the state is shorter than in the southern since the season there begins one to two weeks later and is ended earlier by frost. The main crop canned in the southern counties is tomatoes, though some kraut and pumpkin are put up in the late fall.

Tomato paste is a relatively new product. According to the 1919 census of manufactures Indiana ranked third in its production, putting up 33,322 cases, valued at \$358,592. However, only three plants were found manufacturing the paste at the time the survey was made. It is canned in 6-ounce cans and shipped by one corporation to New York and Boston, and by another to Chicago and New Orleans. At first only Italian dealers handled it for spaghetti sauce, but now its use is more general.

Some plants were growing their own crop, or a part of it, although in most instances vegetables were contracted for with the farmer. Each fall the acreage, planting time, kind of seed, and delivery price are agreed upon between the canner's field man and the farmers.

When the crop is ready to be delivered at the cannery it must be hauled in according to the few regulations that have been adopted. Since corn is at the proper milk stage for but one or two days its delivery is especially supervised. It cannot be brought to the canning factory until the field man has called at the farm, tested the corn and pronounced it ready for hauling. It must then be delivered at the time specified by him. This is a precaution taken to prevent the growers from "dumping" corn that is too old for canning. In addition to this, practically all plants, regardless of what they are canning, refuse to accept loads after Saturday noon. With this precaution rigidly enforced except for extremely unusual conditions, Sunday canning has become almost a thing of the past. There is a third form of restricted delivery. In very good seasons, such as the one just closed, some of the canneries contract for more product than they can handle. In such cases the usual procedure is to accept a certain percentage of each farmer's acreage.

Early in a survey of this kind one learns to pick out the canneries upon approaching the small towns. Almost without exception they are to be discovered by means of their tall, thin, black smoke stacks. Usually there is but one stack, although the larger plants sometimes have two. The smell of cooking tomatoes and the sight of wagons heavily loaded with products for canning are likewise guides in locating the factories. In some towns the arrival of the wagons is the signal to employes that the plant is about to open up for the day. The canneries are usually alongside the railroad and at the very outskirts of the town and on streams wherever possible. One was found adjoining a graveyard.

In the central and northern parts of the state canneries are in general substantially housed. As most of them handle more than one crop and thirteen operate throughout the year, it pays them to erect good buildings. The factories occupied by the bigger corporations are, in most cases, large, well-built and attractive. A few have even beautified their grounds with flowers and shrubbery. As the firms in the southern part of the state confine themselves principally to the one crop, tomatoes, and but three or four operate more than a few weeks each summer, it is not surprising that they spend but little on buildings. The plants in this section are in general smaller and not so well constructed as those in the central and northern parts of the state. One plant consisted only of a cement floor covered over with a roof, a portable engine being used for power. In some places old barns and store-rooms had been utilized for canneries. Where new structures had been erected they were almost invariably one or one and a half story buildings. In more than one instance the canneries were found away from any railroad or town, located in the country, in the heart of a cornfield.

Five or six of the plants visited might be termed "family affairs." They were quite small, often did custom canning, and had only members of the family employed. In some localities the labor supply was scarce and in others very abundant. As most of the canneries are in rural communities there was the problem of getting the country people to the plants. In many places the firms ran buses which took the

employees to and from work. Where this was not done farmers who worked in the plants and owned automobiles were often paid by the canners for bringing their neighbors to work in the morning and taking them home at night.

With the exception of about 590 employed in the plants operating all the year, the women found in the canneries were in most cases housekeepers unacquainted with the hard routine of factory work. Women who live in the vicinity of a cannery usually look forward to the pack, for it is then that they earn money for themselves and for the purchase of books and clothing needed by the children of school age. Since these women are housekeepers, many of their domestic duties do not cease when they enter industry. With the housework necessarily waiting to be done and unexpected demands arising in their homes, they are a somewhat uncertain supply of labor. In an endeavor to devise some means whereby they could count on the women, the plants offered various kinds of bonuses. In one locality where the population was small and the canning factories numerous, labor was so scarce that the factory paid each woman one dollar in addition to the regular piece rate, the dollar being no less than a gift in recognition of her presence. One firm paid a bonus of five dollars to women working four-fifths of the time that the plant operated, including Saturdays. Another type of reward was offered in an effort to keep peelers from being wasteful. Each bucket of tomatoes was weighed before and after peeling and a bonus given if the bucket weighed over a prescribed amount. This seems rather a risky way to save product, for the tomatoes might be saved at the expense of quality, since the temptation to throw in inferior ones would be great. In but few cases did the bonus bring the desired result.

The 141 plants in the survey employed 6,132 males and 6,143 females, ranging in age from 6 to 70 years. The males include 5,716 men, 277 boys between 16 and 18, and 139 boys between 14 and 16 years of age. The females included 5,419 women, 409 girls between 16 and 18, and 315 between 14 and 16 years of age. In addition to these, 27 children under 14 years of age were employed. At least 35 of the plants employed no one under 18 years of age and 3 employed no women. There were nearly twice as many girls as boys. This can doubtless be explained by the fact that girls make better peelers than boys, who are not attracted to this type of work. There are few other jobs in a cannery for young persons.

Men employees were found working in the engine rooms, trucking, stacking cans in the warerooms, unloading cans from boxcars, and operating various machines, such as cappers, fillers, and bottle-washers. Boys between 16 and 18 were chiefly engaged in the very heavy work of trucking crates loaded with filled cans. Unless a boy is quite strong this work might easily give rise to severe strain having very serious results. Boys and girls as young as 6, 7, 9 and 10 years were found husking corn, peeling tomatoes and snapping beans. Women and girls worked on peeling and sorting tables, operated machines, and dropped down empty cans. Except for engine-room work and trucking, the different types of jobs were not limited to either sex.

Can shooters or droppers, as they are often called, were usually to be found in little lofts above the general work rooms. This work consists merely in keeping a steady flow of cans on a chute leading down to the filling machine. Some plants employed old men or women, others boys or girls, or boys and girls together, on this job. In all cases where girls were found so employed alone or with boys their removal to other employment was recommended, or the placing of at least one older girl or woman on the work with them. These lofts were undesirable places for girls to work and were often almost unbearably hot and occasionally hard to reach. To the intense summer heat of an attic was added the damp, suffocating heat which arose from the workrooms. In two plants the can rooms were almost inaccessible, being approached only by ladders. Other canning factory jobs scarcely advisable for women are stacking cans alone in warerooms and unloading cans from boxcars.

The processes in canning are exceedingly interesting. Only a brief sketch of them can be given here. As the survey was begun the last of August, no pea canneries were observed in operation. One of the principal machines used in this process is the sorter, a huge metal cylinder which revolves horizontally. The cylinder is full of holes which are graduated so that the peas of various sizes drop out in their respective places. This is really automatic grading.

There is no particular machinery used in canning string beans, as they are prepared by hand and then cooked and sealed as is any other vegetable.

The canning of corn does involve machinery. The first process, husking, is still done by hand in some of the plants. Men, women and children were found bent over on wooden crates shucking as fast as it was humanly possible, since their earnings were gaged by the number of crates husked. Where the corn is automatically husked it is carried to the top of the shed by large conveyor belts, allowed to slide down to the machines and then hand fed into them ear by ear. The knives on these machines cut off the ends of the husks. The ears then fall onto revolving knived rollers, which catch and quickly rip off the husks. Conveyor belts carry the corn along sorting tables, where women pick out imperfect ears and trim off bad parts. It is then washed, cut off by machine, silked by a revolving cylinder similar to the pea grader, mixed with a hot syrup of sugar and water, put in cans, steamed, cooked, and carried to the warerooms either by truck or automatic conveyor. A peculiar utilization of a waste product of this work is that of gathering the cornsilk dropped by the huskers. In two plants adults were found supervising children in sacking the silk, which had been contracted for by a large drug firm for the medicinal properties that could be extracted.

One general routing or procedure is followed in all plants where tomatoes are canned. On an outside platform all the crates or baskets of tomatoes are dumped into a large tank of water from which the tomatoes are carried by means of slat belts into a second washing device, usually a revolving cylinder having a spray at the top which thoroughly washes the tomatoes as they are tumbled forcibly over and

over. They are next carried by belt along the sorting table, where all inferior tomatoes are removed before they reach the peelers. Ten or twelve types of peeling tables are in use. Each has its points of advantage and disadvantage, chief of the latter being the leaking of water and crushed tomato. A favorite type of rotary table is well named the merry-go-round. The peeled tomatoes may either be dropped directly onto the moving belt or carried off in buckets. In either case they are pressed into the cans by hand, carried through a steamer, automatically capped, stacked into process rings, trucked to the cooking room, and swung by means of overhead pulleys into huge steam pressure cookers or retorts. After being cooked they are cooled in large kettles of cold water and then trucked to the wareroom.

Various kinds of buckets were used in handling tomatoes. Granite buckets were used for peeled tomatoes only when very new since chips of granite would greatly endanger canned goods. Fiber buckets which successfully resist the acid of tomatoes soon become insanitary as a result of the fermentation occurring in the angle at the sides and bottom of the pail. Each season is begun with new buckets of this type. There is a third kind that permits of more than one season's wear. This is a galvanized iron bucket which has been given three or four coats of hard enamel paint. The enamel serves to resist the chemical action of the tomato on the iron.

Quite often in canning, only the largest and most perfect tomatoes are peeled, the rest being allowed to go into pulp. In catsup making no peeling is involved. Tomatoes are washed, sorted, crushed, run through some type of colander, cooked and seasoned, then bottled. The bottle washing and bottling machines are some of the most interesting used in the canning industry.

There is a close resemblance between commercial kraut making and the home process. The cabbage is dumped by the grower into long, slanting bins in the shed. Boys there sort out the good heads and place them on a conveyor. The cabbage is then carried round and round by a rotary belt. Men with "hearters" core about every third head as it goes past them. A "hearter" looks something like the wheel type of egg-beater, only much larger and equipped with a revolving knife which cores the heads of cabbage much as a housewife cores apples. Women placed on the opposite sides of the belt cut away the exterior leaves of the cabbage. The heads thus closely trimmed are carried by conveyor to an upper floor where women press them against cylindrical knives. The resulting slaw-like mass is caught in containers resembling bath tubs and pushed down an overhead track to the vat where the kraut is to be cured. Here it is dumped and men with clean, shiny rubber boots tramp it down after distributing it with pitchforks. When the vat is full a large wooden cover is dropped in and weighted down with blocks of cement about a foot square. These replace grandmother's plate and stone.

Pumpkin canning had not yet started when this survey was terminated, so it is impossible to give a sketch of the processes involved.

Machinery in canneries, as in all other industries, has greatly lessened the labor involved. The conveyor belt is one of the most useful

of labor-saving devices. Troughed floors so generally in use are a great aid to sanitation. They enable the workroom to dry off quickly after the frequent slushing of tables and floors. In an endeavor to decrease the number of minor cuts received, several plants have adopted sharp-edged spoons for peeling instead of the paring knives so long in vogue. Where merry-go-rounds were in use bridge stairways and steps similar to the old-fashioned stile made it possible for the women to cross to the inner side of the tables. This stile type of stair sometimes constituted a real accident hazard, since the steps were so often wet and slick with tomato peel and the procession of buckets necessitated quick stepping.

The majority of plants were of open construction and in these there was no serious problem of lighting and ventilation and the others were in the main well lighted and ventilated. The fact that but two plants were filled with steam is the best proof that this condition is unnecessary in canning factories. The scalding and sorting of tomatoes on the unloading platform does much to relieve the main factory rooms of steam.

Several plants were completely screened in an attempt to keep out flies. The effectiveness of this measure is greatly dependent upon the type of factory construction. In well-built, modern factories screening is most desirable, but in the temporary, open type of buildings screening serves only to increase the annoyance, since it usually shuts in the flies. The ingenious arrangement used by one factory superintendent was effective. He had attached to the overhead lineshaft eighteen-inch paddle wheels which revolved with the shaft. This caused a constant current of air from above which freed the work tables of all flies.

Wet floors are yet common to tomato factories. There are those who claim that it is impossible to have dry floors where tomatoes are being peeled, but as in the case of excessive steam the dry floors, repeatedly found, are proof that the dampness is a bad condition which can be overcome. Permitting women to stand 8 to 13 hours a day and 6 days a week on wet floors indicates a dangerous and unprofitable disregard of the health of workers and a lack of understanding of mechanical construction. In one plant women were standing in one inch of water. It was not uncommon to find them wet to the ankles. The women themselves were partly to blame, since they were often careless about dripping the wet tomatoes over the floor and their shoes. In the plants where the floors were dry the women seemed to take pride in keeping them so.

Washing facilities for employes ranged in the different plants from porcelain bowls to iron sinks, hydrants, washpans, buckets and faucets over large tubs intended primarily for the washing of utensils. Of the 141 plants, 53 provided no towels; 9 the roller type; 48 individual towels; 12 kind not specified; and for 19 there was no information. There were 44 firms which provided no soap; 13 liquid soap; 1 powdered; 66 kind not specified; and for 17 there was no information. The provision of soap in canning factories seems even more important than the provision of towels, though both are essential. Some employers object to individual towels because workers tend to be careless in disposing of the

paper type and carry home cloth ones. The former objection can sometimes be overcome by the provision of a sufficiently large container conveniently placed and insistence on its use. If individual cloth towels are chained to a rod there is not much temptation to remove them. In order to overcome the waste and theft of soap 14 plants have adopted successfully either liquid or powdered soap.

In spite of the preponderance of rural plants practically as many indoor as out-of-door toilets were found, though this was contrary to the expectation of the investigators. The indoor toilets were of two general types: the modern porcelain flush type and flushed vaults. The latter were flushed by waste water from the canning process, by waste water from the lavatory or by the use of hose. The large number of orders (109) on toilets is indicative of the sanitary conditions. About two-thirds of the outside toilets were wire screened against flies. This sanitary precaution taken so generally by employers is worthy of adoption by other plants where open toilets are in use.

Garbage disposal is quite a problem for the small rural canneries. Some plants distributed all refuse over fields for fertilizer, either keeping a team for this purpose or hiring farmers to dispose of it for them. Others dumped the refuse into large sunken cement tanks from which it was later hauled away. One of the most satisfactory means of getting rid of it was the use of septic tanks.

Conditions in the plants were graded as follows:

Excellent	1
Good	49
Fair	75
Poor	11
Plants closed	5

Of the 141 concerns used as a basis for these statistics 15 received no orders and 6 needed only to be registered and licensed. Of the 21 plants receiving no orders 2 had no violations, 11 were not operating at the time of the inspection, 6 employed no young people and 2 were small family affairs. The remaining 120 firms were issued 1,014 orders, or an average of 8 to a plant, 6 of the 120 receiving but one order. The largest number of orders issued to any firm was 22. The orders and recommendations are itemized as follows:

Under legal working age	12
No certificates 14-16 years	84
No certificates 16-18 years	170
Hours: Girls 14-18, boys 14-16	116
Time records	25
Women after 10 p. m.	7
Postings	123
Prohibited occupations	2
Constant standing—girls under 18 years	25
Resting seats	53
Operatives chairs	35
Return certificates for correction	21
Exchange certificates	13
Return certificates to minors no longer employed	19
Young children about factory	14
Toilet and washing facilities	109
Individual towels	16

Wet floors	16
Rest room	1
Improved ventilation	1
Replace ladder with stairway	1
Hand rail	1
Repairing for safety	9
Screen stairway	3
Excessive steam	2
Improved drinking facilities	7
Register and license	39
Warnings	90

The above table shows that 84 orders were issued on certificates for boys and girls between 14 and 16 years and 170 for boys and girls between 16 and 18 years of age. This would indicate that employers are more careless in the employment of young persons between 16 and 18 than of those between 14 and 16 years.

The hours worked in a canning factory are difficult to discuss, since they are so variable, differing by day, by week, and by plant. The canner handles a product that is highly perishable and of great importance to the food supply of the consuming public. It must be cared for and not allowed to spoil. Little attempt seems to have been made by canners to overcome this situation than by overtime of the regular day force. The stated schedule of hours in a plant does not always indicate the actual hours worked, as excessive and irregular overtime often warps the schedule beyond recognition.

The opening hours of the canneries varied in different localities except early in the season, when plants all over the state remained closed until 10 o'clock in the morning or even until afternoon. In the northern part of the state the general tendency was, except on very busy days, to start operating about 8 or 9 in the morning; in the southern counties most of the plants opened at 6:30 or 7 o'clock. Since so many women refused to come to work until after their washings were done, a great many factories did not resume operation on Mondays until afternoon. During the canning season of 6 to 8 weeks there is usually not more than 3 weeks of steady operation; at this time, however, the plants are certain to make up in overtime the hours lost during the earlier weeks. The general tendency seemed to be to have one-hour noon period, though there were several plants having but one-half hour and some allowing one and one-half hours. The latter believed the longer period to be important, since it gave the housewife time to go home, prepare the family meal, rest a bit, and return without being hurried.

One of the most frequent causes of overtime is climatic changes. Several days of hard rain can render picking almost impossible. The extra heavy delivery of consequent accumulated pickings by all growers at about the same time can quickly "swamp" a plant until nothing except long hours or a greatly increased force can save the product. In like manner a hot spell may ripen a crop much more quickly than the canning factory is normally able to care for it. In the middle of the ripening season it was no uncommon sight to see twelve to fifteen wagons lined up waiting their turn to be weighed. Poor planting management is likewise a frequent cause of overtime. Too many acres may

have been contracted for or too many acres planted at the same time, either resulting in an influx at the cannery. There is one phase of delivery resulting in rush work that the field man cannot govern; namely, the early maturity due to soil conditions of the product which was scheduled to ripen at a later date.

All canneries are subject to frequent breakdowns. They operate such short seasons that the machinery often deteriorates greatly during the closed period. Of course precautions are taken against this at the close of the season and everything is gone over again just before the canning season opens. In spite of this, breakdowns of a more or less serious nature occur practically every day in the majority of plants. Some of this might be prevented if the repair work were not delayed until the actual opening of the pack, when it must be rushed through in any way possible. One plant had yet to drill a well when the growers were unloading tomatoes on the platform. With managers employed for the year it seems as if more and earlier repairing might be done, thus greatly reducing the number of breakdowns and resulting overtime.

The personal equation is another cause of overtime. Because most workers in canning factories are only temporarily employed or else are casual workers, they sometimes fail even when most needed to recognize the economic necessity or moral obligation of sticking to the job. A good example of this irresponsibility occurred the day before one of our investigators was in the plant. So many tomatoes were crowded about the factory that the manager was beside himself. In spite of this, there being a Sunday school picnic in town, no employes appeared at the factory, all going to the picnic and taking a full holiday.

The subject of overtime would not be complete without the mention of the scarcity of or delay in the delivery of cans. Sometimes plants have to close down for one to two days on account of this shortage. Naturally, then, when operation is resumed long hours are put in in a desperate effort to save the product that has been heaped up during the delay. One company supplies a large proportion of the cans used in Indiana. During the busy season, which lasts from May until October, it produces on the average 1,000,000 cans a day. The wareroom at present utilized by this company holds about 10,000,000 cans, a very small portion of the year's output. Contrary to the layman's general idea, it has been found practically impossible to overcome the seasonal phase of this production. If approximately one-twelfth of the year's supply were manufactured each month an immense warehouse would be required for storage. Officials say that the resulting benefits would not warrant the capital expended. Up to the present time it has been impossible, and in some cases even unwise, to induce canners to buy cans six months to a year in advance. Individual canneries have but little storage space. Their warerooms will hold but a small part of the cans used during the pack. It is questionable whether it would pay them even to store their warehouses full in advance of the canning season, for there is great danger of cans rusting in unheated or leaky warerooms. In addition to this the canning industry is so dependent upon climatic conditions that a whole

crop can be destroyed almost overnight by frost, rain, wind, heat, etc. A canner might have laid in a large supply of cans and then have nothing to put in them. The can company, in order to protect the canner from this condition and at the same time get out as much production in advance as is possible, sometimes fills a canner's warehouse with cans in advance of the season. These remain the property of the can company until the first day of the pack, when they are paid for.

In the plants visited there was much overtime. Women worked long hours but were outstripped by the men, who were forced to remain even longer. In cases of shutdown the women were often permitted to go home if it was clear that the plant was to be closed for several hours; the men and boys, however, were almost invariably busied with odd jobs about the plant. When the pack necessitated night work the women ordinarily stayed on until 9 or 10 o'clock, the men remaining until any hour required to finish the day's run. In addition to this there was always the cleaning up, which took still more time. In canning tomatoes the men ordinarily turned all the remaining tomatoes into pulp after the women peelers were dismissed at night. Superintendents and foremen sometimes worked two or three days and nights at a stretch without any rest.

In Tables IV and V the daily hours show average days during the heavy pack and the weekly hours are a compilation of the long and short days during the rush season, with overtime counted in wherever it was obtainable.

Reference to Table IV will prove the statement that the hours of women in the canning industry are long. In the majority of plants women worked until 9 and 10 o'clock at night for two or three nights out of the week during the rush season. This meant that a woman worked a 9- or 10-hour day and then 2 or 3 additional hours at night, this very long day being repeated two or three times each week. Fatigue caused by such long hours cannot be overcome by a night's rest. Consider, then, the ultimate physical condition of the average canning factory woman worker who must, upon reaching home, and before she can snatch a few hours of sleep, perform the domestic duties that her family were unable to perform without her.

Of the total number of women in canneries, 47 per cent worked 10 hours per day, 64 per cent of these working 10 hours per day and 60 hours per week. The longest hours reported were those of one firm employing 34 women for over 13 hours a day and 80 to 82 hours per week. Another firm had 164 women working 13 hours a day and 78 to 80 hours a week; 75 women worked 13 hours a day and 74 to 76 hours per week; 38 worked over 12 hours a day and 74 to 76 hours per week; 123 worked 13 hours a day and 64 to 66 hours per week.

Sunday work occurred on but one or two occasions in as many plants. It was an emergency measure and only adults were employed. Most plants worked long and hard on Saturdays, since growers picked closely in order to avoid Sunday spoilage and consequently hauled in more than the ordinary day's supply. The larger plants in or near the cities usually arranged not to have Saturday afternoon work except during the very busiest two or three weeks. This move was necessi-

TABLE V.
SHOWING DAILY AND WEEKLY SCHEDULES OF HOURS IN 106 CANNERIES EMPLOYING BOYS BETWEEN 14 AND 16 AND GIRLS BETWEEN 14 AND 18 YEARS.*

WEEKLY Hours	Total number Children working on specified schedules.	NUMBER OF BOYS AND GIRLS WORKING ON SPECIFIED SCHEDULES.															
		Daily Under 8		Daily 8+		Daily 9		Daily 9+		Daily 10		Daily 10+		Daily 11		Daily 11+	
		Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18	Children 14-16	Girls 16-18
Under 44 Hrs.....	114	2	1	30	32	14	5	3	11	10	1	2	3	1	1	1	1
44-46 Hrs.....	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46-48 Hrs.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48-50 Hrs.....	458	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50-52 Hrs.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52-54 Hrs.....	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54-56 Hrs.....	111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
56-58 Hrs.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
58-60 Hrs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60-62 Hrs.....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62-64 Hrs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
64-66 Hrs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66-68 Hrs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68-70 Hrs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70-72 Hrs.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
80-82 Hrs.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	830	2	6	223	177	15	10	111	114	17	20	28	52	24	25	3	1

*There were 34 children 14 to 16 y ars of age employed in these plants working on vacation and holiday certificates after the opening of schools; and 27 children under 14 years of age. These are not included in the table.

tated by employes who demanded the half-holiday. Six of the 141 plants permitted women to work after 10 o'clock at night. One of these sometimes worked 6 women as late as 11 and 11:30. In a second plant 15 women worked one 10-hour night shift. In a third, 2 women on two occasions worked a 10-hour night shift. In a fourth, 12 women worked until 11 o'clock one night. In a fifth, 4 women worked a night shift one night. And in a sixth, 6 women on one occasion worked all day and all night; 20 women worked one night shift, and 38 worked until after midnight several times.

Since the Indiana child labor law considers boys over 16 years of age as adults with no limitation of hours, we found boys between 16 and 18 years of age working the same hourly schedules as men, that is, from 9 to 13 and 14½ hours a day and from 54 to 81 hours per week, hours which are a tax on adult men, and certainly a dangerous tax on the strength of immature boys.

The law limits the hours of boys between 14 and 16 years and girls between 14 and 18 years of age to 8 hours a day and 48 hours a week. Table V gives the hourly schedules worked by young persons of these ages. Some of the long hours are startling violations.

It will be noticed that one boy under 16 years of age worked as long as 13½ hours per day and 81 hours per week. A girl between 16 and 18 years of age worked 12 hours a day and between 70 and 72 hours per week; 3 girls between 16 and 18 years were employed 11 hours some days and from 48 to 50 hours per week; 21 boys and girls under 16 years worked over 10 hours a day and between 54 and 56 hours per week; 30 girls between 16 and 18 years and 4 boys and girls between 14 and 16 years worked 10 hours per day and 60 to 62 hours per week.

The hours of labor notice, register and roster, postings required by the law for boys between 14 and 16 and girls between 14 and 18 years, were found in but about half of the plants. Although these forms have been required since 1899, some employers still claimed that they knew nothing about them. Others tried to excuse themselves on the grounds that the rush of the pack had resulted in their neglecting either to fill out the forms or to secure them.

Since the majority of women and children in the canning factories were employed on piecework, production records and not time records were usually kept. In the absence of time records, except for day workers, it was necessary to take the children's statements as to their hours. One six-year-old boy, being questioned as to his hours, replied: "I don't know how long I do work a day, but I shucked corn till I wore the seat of my pants out." An addition to our collection of types of time records. Actual time records should be kept of all young persons whose hours are limited by law. Very few of the plants paid any additional wage for overtime, even when it was work extending far into the night. Of the 128 firms for which information was available, 28 per cent paid all their employes on a piecework basis, while 23 per cent paid all workers on a day rate. In the remaining plants part of the workers were paid on piece rate and part on day rate.

It was impossible to go through the canneries without being impressed by the large number of old women working there. At first

thought it seemed a pity that women of such advanced years should be employed. On the other hand, they were simply performing some of the domestic work that women have been accustomed to doing in their homes. The peeling or sorting of tomatoes, the husking or sorting of corn, and the trimming of cabbage are jobs which they normally enjoy. The old women of the type found in the canning factories are dependent usually in their old age, consequently they welcome this opportunity of earning money. It is better to aid these needy old people than to employ children when there is no actual need for their earnings, depriving them of their play and often of the schooling which is their right.

On the whole, the women in the canneries looked clean. They wore nondescript aprons of newspaper, sacks, oilcloth, or gingham. Only six plants furnished uniforms. One of these provided the goods and the women made the aprons. One of the plants shared the expense of buying and laundering all uniforms. One issued fresh white caps and aprons twice a week and attended to their laundry. One furnished and laundered the aprons of all salaried help of the regular force of employes and of all temporary help. One laundered the uniforms which it had enabled its employes to buy at cost. The sixth firm furnished rubber aprons and rubber boots.

With the colored people in Indiana numbering 80,810, or 2.8 per cent of the population in 1920, it is timely that a study be made to see what industries are using their services. Since so many of the colored men and women in the state are primarily employed in domestic work, it seems surprising that so few were employed in the canning factories. The small number of colored men worked either on the heavy odd jobs around the plants or on the peeling and sorting of tomatoes. Only eight plants employed colored women and young persons under 18 years of age. These plants employed 70 colored women and 35 colored children on the peeling of tomatoes. Their hours were the same as corresponding groups of white employes and they received the same piece rate. In each case the colored women worked a little apart from the others. In all but one plant, and that in the extreme southern part of the state, both groups used the same dressing and toilet rooms. Wherever the question was raised we were told that the colored women made splendid workers. One canner stated that he hoped to employ colored women each season, as they had proved to be more reliable than the white women.

The large number of young children who sought jobs or else came to the plants with their mothers constituted one of the many vexing problems of the canning factory manager. The youngest child seen in the canneries by the investigators was a tiny baby in a cab beside its mother, who was engaged in shooting down cans. The women brought the children to the plants because they had no one at home with whom to leave them. Since children playing about factories are liable to meet with accidents, employers are coming more and more to bar them from their premises. However, they take this stand with great hesitation, for mothers frequently take offense and do not return to work, and in the stress of the pack canners cannot afford to lose the services of

experienced women. So serious is the matter that last year one plant engaged a woman to devote her whole time to amusing and looking after the small children of its employed women. This plan worked splendidly as long as the payroll was large, but toward the end of the season the expense did not warrant retaining the worker. Another plant was considering the maintenance of a nursery during next year's pack.

Only four women executives were found. Disappointing as it is, these women, with but one exception, seemed not to understand the child labor law any more than the men. If they understood the law and were willfully permitting violations their attitude is even more to be lamented.

The common belief that there are few if any accident hazards in canneries was disproved during this survey. One boy was killed this season while at work in the cooking room. While one of the investigators was making an inspection a steam pipe burst and threw a man who was working near it down from the top of the room. Six accidents in canning factories were reported to the department in one day. These consisted of cuts, scalds, and accidents caused by slipping on wet floors and stairs. In view of this it is well that employers keep in mind the fact that when the injured is illegally employed, compensation insurance is not awarded and the employer is liable for damages under the common law. Many employers are failing to use the clause of the law which is particularly for their protection, namely, the provision requiring school officials to issue certificates to young persons up to 21 years of age if requested to do so by the employer. Since many minors give an incorrect age, this section of the law should be of great importance to employers.

The matter of proper seating is of vital consequence to all industries. Investigation revealed that canners had given it even less thought than other manufacturers. Because their season is relatively short they seemed to think that the men, women and children whom they employed could be worked down to the last bit of energy and left to recuperate when the pack was over. But if expended human energy is not replaced within the cycle of 24 hours lowered vitality results. Continued strain is certain to tell on health. It is scarcely necessary to say that women working 10 to 13½ hours a day in the canneries must gradually be sapped of their strength. The natural reaction to impaired energy is reduced production and inferior work. The fatigue brought on by long hours is aggravated and increased either by constant standing or poor seating. At least two-thirds of the women employed in the canneries were standing at their work. About one-third of these had no resting seats of any kind. There were 53 orders issued on resting seats and standard operatives' chairs were recommended in 35 cases. With no thought as to the health of young employes, 25 plants were permitting girls under 18 years of age to stand constantly at their work. Crates, boxes, barrels, benches, some few chairs, and stools of uniform height took the place of resting seats and operatives' chairs. Very few footrests were in evidence and in many places obstructions interfering with the knees made sitting at work practically

impossible. Many managers insisted that women could not profitably be seated while peeling tomatoes. On the other extreme was the plant that refused to permit them to stand at all. At least two plants permitted alternate sitting and standing, which is the desirable condition, and were reaping the rewards of scientific seating in increased and better production. One manager, convinced that the frequent trips for a drink, the stretching, and the much complained of backaches had a cause that could be alleviated with profit to the management, changed the whole arrangement of the manufacturing process, built comfortable chairs with backs for its workers and seated those who had formerly been required to stand. The management would not now even consider going back to the old way.

Bulletin No. 1 of the Industrial Welfare Commission of California, in a 1917 report on the canning industry of California, says: "It usually has been assumed that seating is either a simple affair, easily solved, or that the innate perverseness of human beings made them insistent on standing almost continuously even when seats were freely provided. The fallacy of these opinions was clearly demonstrated by most of the canneries studied; in some, where the use of seats was apparently disdained, inspection disclosed that there were either definite physical obstructions to comfortable sitting or that some necessary motion became difficult when seated.

"At the tomato peeling and sorting benches a large proportion of the women were compelled to stand at their work. This is a condition for which there is little excuse, as ordinarily it is due primarily to the presence of obstructions under the belt; either bracing, which could be altered, or else the return of the belt which can be raised or depressed by means of idlers so that it can be guarded and proper clearance obtained either underneath it or above it. Many peelers stand as the seats available are so low that when peeling a tomato the hands are necessarily held higher than the elbows, and the resulting stream of tomato juice in the lap of the worker is a most effectual discourager.

"The mere fact that many women have, for years, been working in a standing position, or seated on unhygienic seats, is no argument whatever for the continuation of such practices. The human body is generally capable of a most amazing amount of adjustment to conditions thrust upon it, but, sooner or later, these unnatural strains will result in more or less serious disabilities. There is abundant medical testimony as to the serious effects on women, of work in a standing or in an incorrect sitting position, and this would be more generally understood were it not for the fact that most of these ailments are of such a nature that the employer never hears of them, and many are such that their connection with the occupation is not suspected except by the physician. The employer has a perfectly natural tendency to remember clearly only those employes who, gifted with the strong constitution, successfully resist these occupational strains.

"A seat for cannery use should be comfortable for all users, produce a hygienic position, and not interfere in any way with the motions necessary on the part of the worker. It should, further, be adjustable, at least vertically; it should be durable, easily cleaned, and not cumbersome.

"One of the most important and commonly neglected elements contributing to the comfort of a seat is the dimensions of the seat itself; this is frequently made far too narrow for the stocky types so often found in canneries, and it seems likely that seats should not be much, if any, narrower than 14 inches, with a minimum depth of 10 inches."

A timely bulletin on industrial posture and seating, issued in 1921 by the New York Department of Labor, enumerates the requirements of scientific seating as follows: "Though in each individual case the type of work to be done must determine the best arrangement for seating, a general summary of the principles of correct seating would require a seat, broad and not too deep, slightly saddle shaped and with the front edge rounded; the feet resting comfortably on the floor or on a broad footrest attached to the floor or bench; the bench at a height to allow plenty of room for the knees between the top of the seat and the under side of the bench; no bracing or other obstruction interfering with a comfortable position of the feet and legs; a backrest supporting the small of the back and not extending up far enough to interfere with free movement of the arms; supplies arranged so that no excessive reach is involved in the work. If an operator is able to rest herself by changing her position at work occasionally, a great deal of unnecessary fatigue can be avoided. For many operations, the thing to do is to begin by raising the bench high enough to allow the operator to work sitting or standing."

This survey, which required about 28 working days, was made possible by the co-operation of the Factory Inspection Department. The inspectors traveled by automobile and covered 4,489 miles. This does not include the mileage entailed in making detours, one of which was 12½ miles long; in getting on wrong roads; and in crossing cities to reach plants. As many as 636 miles were driven by an investigator in one week and 147 miles was the greatest distance driven in any one day. During that time from 2 to 4 inspections were made each day. On account of the illness of one of the men from the Factory Inspection Department who was driving a car, it was necessary to travel 377 miles by train and traction. The trip covering the southern counties included 14 towns that were on neither railroad nor traction lines. Thirty-four of the towns visited had very poor railroad accommodations, most of them having but one train a day each way. Without a machine it would have taken about 40 days to do these plants alone. Not only a great deal of time but a tremendous amount of the investigator's energy would have been expended and the cost of taxi hire would have been practically prohibitive.

IN CONCLUSION

The plants inspected were in fair sanitary condition. There was a general tendency to screen them against flies. Canners seemed to be striving for a clean, wholesome product.

There is much accident prevention work yet to be accomplished in the canneries. When wet stairs and floors have been overcome the cause of the majority of the accidents will have been done away with.

Employers generally seemed careless about employing girls between 16 and 18 years without certificates and for unlimited hours. Many

were chagrinned to find that some of their young employes had given incorrect ages and were much under 18 though claiming to be above. It is hoped, however, that employers will not use this as an excuse to discontinue employing young people, particularly girls between 16 and 18 years of age. Work in the canning factories is relatively healthful, in most instances is not monotonous, and being somewhat domestic in nature is of the type that young girls are adapted to and used to doing. It seems desirable then that their employment be continued in the canning factories, but that their hours of employment conform with the law.

Though long, exhausting hours were the rule, there were noticeable efforts to standardize and shorten the day of the canning factory employe. Five plants had operated at least one season on an 8-48 hour schedule for women and children and not over a 10-60 hour schedule for men. Another never permitted women to work longer than 9 hours and men 10 hours. If the usual force of employes absolutely could not handle the day's work then a new shift was employed. With six plants having accomplished so much, it is not unreasonable to expect at least a measure of restriction on overtime by the other plants.

If canners restrict hours, intensive production must follow. The latter is an impossibility unless all unnecessary fatigue is overcome. As poor seating and posture is one of the main causes of fatigue, employers must soon reach the point where proper seating will receive the consideration that it deserves in view of the fact that it results in increased production and a better grade of production.

Understanding the many problems peculiar to the canning industry, the department has tried to be very fair with the canners. Although it is in no way incumbent upon the department to advise employers of the law, an especial effort has twice been made to acquaint employers operating canning factories with the provisions relating to them. On May 20, 1921, the following letter was mailed to every canning factory in the state:

"The Industrial Board wishes to call to the especial attention of the canners of the state the importance of items 3, 4, 6, 7, 10, 11, 12 and 13 of the enclosed letter addressed to employers, and to suggest that the matter of securing authorized evidence of age preliminary to issuing certificates be taken up with your local school officials at once in order that all documentary evidence required be on file at the issuing office.

If this is done there need be no delay in issuing certificates when the pack is ready, and thus avoid all unnecessary handicap to young persons wanting to work and to canners needing their services."

On March 25, 1922, another letter, accompanied by a copy of the letter of the previous year, was addressed to canners:

"The above letter was mailed to you before the opening of the canning season last year.

Some acted upon the suggestion as to obtaining evidence of age of young persons and were thus able to secure the certificates required by law when the demand came for workers.

Others violated the law either by employing young persons without certificates, or by accepting certificates which were very evidently incorrectly issued.

In many rural communities the school official who issues certificates is away during vacation time and just when canners are most in need of the services of an issuing officer. We advise that you see your local school official at once and ask him to arrange for someone else to issue certificates during vacation time if he expects to be away.

The board having now called the attention of canners to this matter for their protection for a second time feels justified in stating that the law will be enforced the coming season without favor."

The general policy of the department was carried out with regard to the canners; that is, to give all plants a second chance before prosecution is started. Canneries having a first violation on hours or certificates were sent the following notice: Further violation will be sufficient cause for action by the Industrial Board of Indiana under the penalty clause of the law (Sec. 27). With but few exceptions employers were extremely courteous in spite of the stress under which they were working. Some thanked the inspectors for suggestions and information given.

The number of plants visited during this survey could not possibly have been reached during the short canner's season except by automobile. In addition to this, traveling by machine was much cheaper and quicker than by rail and enabled the inspectors to reach rural communities otherwise practically inaccessible. A further consideration is that inspection by car was much easier on the investigators than travel by rail would have been, since the latter would have involved the walking of many blocks to plants lying on the outskirts of towns, the carrying of baggage, and the waiting of long hours on account of poor train connections. If inspection work is worth doing it is worth doing well, consequently it is important that the energy of the inspector be conserved for keen, careful observation.

REPORT OF FEDERAL-STATE DIRECTOR OF THE FREE EMPLOYMENT SERVICE OF INDIANA

THOMAS A. RILEY, Director.

LUELLA COX, Superintendent Junior Guidance and Placement.

BLANCH E. METZKER, Secretary.

In completing its fiscal year on September 30, 1922, the department finished one of the most active years in its history. One year ago, the United States was face to face with the greatest industrial depression that the country had ever known. It was estimated that as many as five and one-half million of our workers were walking the streets looking for employment. It was the greatest horde of unemployed that ever burdened the nation. The U. S. and Indiana Free Employment Service had a great part in meeting it.

This report covers the operation of the ten state free employment services, co-operating with the U. S. Employment Service, Department

of Labor, for the year of October 1, 1921, to September 30, 1922. The service is now operating in the following cities: Ft. Wayne, Evansville, Terre Haute, Lafayette, Hammond, East Chicago, Anderson and Kokomo. The Indianapolis office was closed on July 19, 1922, on account of the failure of the city council to appropriate funds for the city's share of maintaining the placement office. The Muncie office was closed for the same reason February 20, 1922. Offices were established in the cities of East Chicago, Kokomo and Anderson on the respective dates of December 1, 1921; February 1, 1922, and March 1, 1922. Negotiations are on at the present time for the re-opening of the Indianapolis placement office.

NAME OF OFFICE	Registrations	Help Wanted	Referred	Placed
Anderson (from March 1, 1922).				
Men.....	623	994	664	627
Women.....	144	385	209	205
	767	1,379	873	832
East Chicago (from December 1, 1921)				
Men.....	643	965	313	228
Women.....	117	69	43	35
	760	1,034	356	263
Evansville				
Men.....	1,536	840	864	581
Women.....	290	116	114	56
	1,826	956	978	637
Ft. Wayne				
Men.....	9,694	9,037	8,293	7,719
Women.....	2,684	2,693	2,173	1,916
	12,378	11,730	10,466	9,635
Hammond				
Men.....	1,886	2,079	1,028	872
Women.....	153	76	81	80
	2,039	2,155	1,109	952
Indianapolis (to July 19, 1922)				
Men.....	7,663	12,814	12,380	11,031
Women.....	3,736	6,800	8,079	6,515
	11,399	19,614	20,459	17,546
Kokomo (from February 1, 1922)				
Men.....	2,398	2,794	2,417	2,050
Women.....	323	599	609	456
	2,721	3,393	3,026	2,506
LaFayette				
Men.....	1,112	1,202	955	890
Women.....	83	65	28	21
	1,195	1,267	983	911
Muncie (to February 20, 1922)				
Men.....	1,414	363	293	283
Women.....	446	177	155	155
	1,860	540	448	438
Terre Haute				
Men.....	4,199	3,508	3,615	3,270
Women.....	2,964	2,509	2,634	2,346
	7,163	6,017	6,249	5,616
GRAND TOTAL.....	42,108	48,085	44,947	39,336

RECAPITULATION

Men.....	31,168	34,596	30,822	27,551
Women.....	10,940	13,489	14,125	11,785

This year's report shows a gain of 62% over last year's registrations and a gain of 151% over last year's placements.

EXPENDITURES

Salaries	\$17,881 85
General repairs	429 31
Light, heat and water	259 79
Travel expense	285 62
Transportation	93 75
Communication	524 79
Miscellaneous	46 80
Office supplies	242 21
Gasoline	80 00
Rent	1,234 50
Total	\$21,078 64

The beginning of this fiscal year finds a large majority of the five and one-half million of our workmen back to their legitimate places in shop, in factory, in mine, in mill and in quarry. We still have a million and a half seeking jobs, another million and a half are idle through so-called part time employment. Investigations made during the last year have demonstrated that this is the normal condition in America.

This is the condition we must overcome. We have brought unemployment back to normal; now it is our task to assist in reducing what the experts would call the "norm."

It is distinctly to the interest of the entire business community to keep workmen reasonably steadily employed at fair wages. It is good business; furthermore, it is good patriotism, for the busy, well-paid workman is a good citizen—the idle, needy workman a tool always sought by the economic and political quack who has false economic and political nostrums to peddle to the injury of the nation. Surely no greater duty rests on a state and city today than the prevention of a recurrence of the period of unemployment through which we have just passed and the elimination of that bulk of unemployment which investigation discloses we have always with us.

The problem before us in reducing the normal unemployment problem is two-fold. First, the placing of the million and a half who are seeking jobs; second, the elimination of the part-time evil which is keeping another million and a half idle on the average throughout the year.

The U. S. and Indiana Free Employment Service is taking an essential step towards the solution of this problem through a connected network of public employment offices. The aim of the service is a rapid connection between the "right man for the job and the right job for the man." Its watchword is efficient service to both employer and worker. The goal is to extend the service as completely as possible into all industries and occupations.

Well arranged, roomy, easily accessible places are chosen for the location of the placement offices. These offices are in good neighborhoods and the offices are divided into separate departments for men and women.

Daily reports are made by the local offices and weekly reports are made to the federal-state director's office at the State House, where

they are tabulated and a copy forwarded to the U. S. Employment Service, Department of Labor, Washington, D. C.

Under an act concerning employment agencies, the state director has charge of fee-charging agencies. A bond of \$1,000 is required and also an annual license fee of \$25. Twenty-two licenses were issued this year. These offices are all located in the city of Indianapolis, with the exception of one at South Bend.

The following tables give a brief outline of the work done by the two junior employment offices which co-operate with the Indiana Free Employment Service.

REPORT OF ACTIVITIES—JUNIOR EMPLOYMENT OFFICE—RICHMOND

Sex	Registered			Help Wanted			Referred			Placed					
	Under 16	Over 16	Total	Under 16	Over 16	Total	Under 16	Over 16	Total	In School			In Positions		
										Under 16	Over 16	Total	Under 16	Over 16	Total
Boys	206	210	416	96	134	230	89	122	211	9	1	10	120	132	252
Girls	161	258	419	42	158	200	42	122	164	11	3	14	59	121	180
Total			835			430			375			24			432

PLACEMENT CLASSIFICATIONS

	Classification of Occupations	Referred	Placed
Agriculture	Farming, gardening, etc.	....	2
Domestic and Personal	Housework in the home	41	44
	Nurse girls and attendants	17	13
	Waitresses and waiters	18	19
	Bell boys	2	8
Manufacturing and Mechanical	Stockkeepers and checkers	3	3
	Packing and assembling	39	52
	Helpers and attendants	36	65
	Machine operators	3	11
	Laboratory workers	....	1
	Draftsmen	2	2
	Apprentices	11	9
Office and Sales Work	Inspectors	6	1
	Cash girls and bundle wrappers	....	....
	Cashiers	4	1
	Clerks	25	21
	Salesmen	14	14
	Typists and stenographers	56	44
Miscellaneous	Machine operators	....	5
	Delivery	19	20
	Messengers	5	7
	Office aides	2	....
	Elevator operators	....	....
	Chauffeurs and truck drivers	....	6
	Laundry, cleaning and dyeing	5	6
	Laborers	69	71
	Telegraph and telephone operators	....	4
	Switchboard operators	....	....
Returned to school	Returned to school	5	9
	TOTAL	382	432

SUPPLEMENTARY INFORMATION

Registered for consultation only	60	Old firms wanting help	8
Asked about school	1	New firms wanting help	10
Sent back to school	4	Visits to employers	15
Retained present positions	27	Visits from employers	3
Remained in school, but registered for "Out of School" jobs	7	Follow-up cases	4
		Home visits	1

REPORT OF ACTIVITIES—JUNIOR EMPLOYMENT OFFICE—SOUTH BEND

Sex	Registered			Help Wanted			Referred			Placed					
	Under 16	Over 16	Total	Under 16	Over 16	Total	Under 16	Over 16	Total	In School			In Positions		
										Under 16	Over 16	Total	Under 16	Over 16	Total
Boys	235	412	647	94	387	481	124	300	424	20	1	21	103	230	333
Girls	235	462	697	187	672	859	187	402	589	27	1	28	145	313	458
Total	.....	.....	1,344	.....	.....	1,340	.....	.....	1,013	.....	.....	49	.....	.....	791

PLACEMENT CLASSIFICATIONS

	Classification of Occupations	Referred	Placed
Agriculture	Farming, gardening, etc.....	22	24
Domestic and Personal	Housework in the home.....	93	67
	Nurse girls and attendants.....	4	4
	Waitresses and waiters.....	2	2
Manufacturing and Mechanical	Stockkeepers and checkers.....	22	21
	Packing and assembling.....	70	44
	Helpers and attendants.....	102	92
	Machine operators.....	118	92
	Laboratory workers.....	6	4
	Draftsmen.....	9	4
	Apprentices.....	55	49
	Inspectors.....	82	73
	Reed Workers.....	29	19
Office and Sales Work	Cash girls and bundle wrappers.....	8	9
	Cashiers.....	4	2
	Clerks.....	106	81
	Salesmen.....	66	45
	Typists and Stenographers.....	123	102
	Machine Operators.....	1	2
Miscellaneous	Delivery.....	12	7
	Messengers.....	16	8
	Office aides.....	23	21
	Trucking.....	2	2
	Chauffeurs and truck drivers.....	1	1
	Laundry, cleaning and dyeing.....	3	1
	Laborers.....	5	3
	Milliners.....	3	2
	Core Makers.....	2	1
	Tutors.....	1	....
	Returned to school.....	37	43
	TOTAL.....	1,027	825

SUPPLEMENTARY INFORMATION

Number interviewed:	(1) Those retaining present positions.....	11
(1) Boys and girls.....	(2) Those sent back to school.....	8
(2) Parents, employers and adults.....	Number of home visits made.....	28
Number of old firms seeking help.....	Number of visits to employers.....	31
Number of new firms seeking help.....	Number of visits from employers.....	40
Number registered for consultation.....	Number of follow-up cases.....	243

COLLATERAL ACTIVITIES OF AID TO JUNIOR WORK

(a) Meetings with organizations of business men and employment managers, or with other organizations or institutions for purpose of stimulating community interest in junior placement.

Industrial Relations Association	1
Vocational Guidance Committee Meeting.....	3
Boys' Committee of Rotary Club.....	1
Interviews with principals and superintendents.....	3

(b) Speeches made by staff members before organizations in interest of work.

Talk before Rotary Club	
Talk before Chamber of Commerce	
Talk before Civic League	
Talk before South Bend Expansion Committee	
Talk before Senior boys	
Talk before Senior girls	
Talk before High School girls	
Talk before Principals' Meeting	

(c) Co-operation with public schools through:

Visits to schools.....	10
Visits to high schools.....	1
Visits to part-time school.....	3
Visits to vocational school.....	2
Visits to Thomas Business College.....	1

(d) Newspaper articles on Vocational Guidance..... 5

(e) Interviewed at Washington School..... 25

(f) Co-operation with employment department Chamber of Commerce

(g) Newspaper advertising

REPORT OF DEPARTMENT OF BANKING

OFFICERS AND EMPLOYES

CHAS. W. CAMP, Bank Commissioner.
WM. F. MORRIS, Chief Bank Examiner.
ROBERT PRASS, Bank Examiner.
LYMAN B. HOLLEMAN, Bank Examiner.
THOS. D. BARR, Bank Examiner.
CARL L. WHITE, Bank Examiner.
FRED J. WHICKER, Bank Examiner.
CHAS. J. DOWDEN, Bank Examiner.
DON P. CARPENTER, Bank Examiner.
THOS. M. BOSSON, Clerk.
DOROTHY MURPHY, Clerk and Stenographer.

BUILDING AND LOAN DEPARTMENT

JAMES H. TOMLIN, Clerk.
HENRY HOCH, Examiner.
CHAS. F. HARPER, Examiner.
VICTOR D. MOCK, Examiner.
HELEN JOHNSON, Clerk and Stenographer.

LOAN AND CREDIT DEPARTMENT

ELMER JOHNSON, Clerk.

CHARTER BOARD

WARREN T. McCRAY, Governor.
ED JACKSON, Secretary of State.
WM. G. OLIVER, Auditor of State.
CHAS. W. CAMP, Secretary.
DOROTHY MURPHY, Assistant Secretary.

The Department of Banking came into existence on September 30, 1920, and, under the act of March 7, 1919, took over from the Auditor of State the supervision of all state banks, private banks, savings banks and trust companies, building and loan associations, and all licensed lenders of money under what is known as the Loan and Credit act.

BANK DEPARTMENT

On September 15, 1922, there were in operation 512 state banks, 175 trust companies, 154 private banks and 5 savings banks, with total assets of \$554,189,151.69, showing an increase in assets of \$20,280,296.95 since the call in September, 1921. There was a net increase of ten new banks and trust companies during this period.

During the fiscal year two state banks, one trust company and two private banks failed and were placed in receivership, as follows:

		Receiver	Date Closed
Central State Bank.....	Gary.....	Clarence Bretsch.....	Dec. 2, 1921
Beech Grove State Bank.....	Beech Grove.....	Chas. W. Jewett.....	April 20, 1922
Farmers' Savings & Trust Company.....	Corydon.....	Sam Riely.....	March 2, 1922
Farmers' Bank.....	Newburgh.....	Eugene G. Sargent.....	Oct. 17, 1921
Elizabeth Bank.....	Elizabeth.....	Wm. D. Barnes.....	Mar. 1, 1922

LOAN AND CREDIT DEPARTMENT

This department has issued 260 licenses under the loan and credit act.

An itemized list of licensees is submitted and made a part of this report.

FISCAL AFFAIRS

The three departments of the Department of Banking yielded a net profit to the state of \$36,571.01, and had an unexpended balance of its appropriation amounting to \$10,135.81.

Attached to and made a part of this report will be found a detailed financial statement of the department, also information concerning the organization, reincorporation and liquidation of the banks and building and loan associations, and a list showing the resources of each bank, trust company and building and loan association at the close of the fiscal year.

DUTIES OF BANK COMMISSIONER

The bank commissioner has supervision of all state banks, private banks, trust companies, savings banks and mortgage guarantee companies doing business in the state.

It is his duty to cause the same to be examined by regularly appointed bank examiners as often as may be deemed necessary. If, in the examination of any bank or trust company, it develops that the same is in an insolvent or failing condition, or that the assets are being improperly used or converted, it becomes the duty of the bank commissioner to take charge of such institution and to make application to the circuit or superior court for a receiver.

No regularly chartered state bank is under the supervision of the bank commissioner until it shall have received from the Secretary of State a certificate of authority to commence business.

Regularly chartered trust companies incorporate in the office of the Secretary of State and receive a certificate from the bank commissioner to commence business when a certification has been made that the required amount of capital has been paid in.

Regularly chartered private banks receive a certificate of authority to commence business from the bank commissioner upon certification that the entire capital has been paid in.

It is the duty of the bank commissioner to make at least five called reports each year of each state bank and trust company under his supervision. Also, at least two called reports of condition of each private bank, and annual reports from savings banks.

FINANCIAL STATEMENT—FISCAL YEAR ENDING SEPTEMBER 30, 1922

RECEIPTS

Bank Department—		
Examination fees	\$44,245 53	
Fees, filing bonds	1,827 00	
		<u>\$46,072 53</u>
Building and Loan Department—Examination fees....		19,338 00
Loan and Credit Department—License fees.....		27,000 00
Miscellaneous fees		69 78
Expenses and Special Fees—		
Farmers Bank, Newburg	\$411 51	
Central State Bank, Gary	143 38	
		<u>554 89</u>
Total receipts		<u>\$93,035 20</u>

DISBURSEMENTS

Bank Department—		
Salaries	\$29,074 99	
Examiners' expenses	10,126 78	
		<u>\$39,201 77</u>
Building and Loan Department—		
Salaries	\$9,700 00	
Examiners' expenses	3,171 52	
		<u>12,871 52</u>
Loan and Credit Department—		
Salaries	\$2,000 00	
Examiners' expenses	9 66	
		<u>2,009 66</u>
Printing and stationery		726 92
Postage		250 00
Contingent*		1,154 12
Expenses and Special Fees—		
Farmers Bank, Newburg	\$200 15	
Central State Bank, Gary	53 38	
		<u>253 53</u>
Total disbursements		<u>\$56,467 52</u>
Net receipts		<u>\$36,567 68</u>
Appropriation fiscal year 1921-1922		\$66,600 00
Total expenses chargeable to appropriation		<u>56,467 52</u>
Unexpended balance		<u>\$10,132 48</u>

*Contingent—\$686.40 of the contingent expense was paid to Wm. Atkins by order of the Industrial Board for injuries sustained while on duty as Building and Loan Examiner.

STATE BANKS

INCORPORATED SEPTEMBER 30, 1921, TO SEPTEMBER 30, 1922

NAME	Location	Capital	Incorporated	Began Business
Newburgh State Bank.....	Newburgh.....	\$25,000	Nov. 9, 1921	Nov. 14, 1921
The State Bank of Lima.....	Howe.....	40,000	Dec. 7, 1921	Dec. 15, 1921
LaSalle State Bank.....	South Bend.....	50,000	May 8, 1919	Dec. 21, 1921
The Farmers' State Bank.....	Scircleville.....	25,000	Dec. 7, 1921	Jan. 3, 1922
North Side State Bank.....	Vincennes.....	25,000	Oct. 7, 1921	Jan. 3, 1922
Gosport State Bank.....	Gosport.....	25,000	Jan. 18, 1922	Jan. 24, 1922
The Washington State Bank.....	South Bend.....	50,000	Dec. 23, 1921	Jan. 3, 1922
Lieters Ford State Bank.....	Lieters Ford.....	25,000	Jan. 18, 1922	Feb. 1, 1922
Citizens State Bank.....	Bicknell.....	35,000	Feb. 1, 1922	Feb. 14, 1922
Peoples' State Bank.....	East Chicago.....	50,000	Feb. 2, 1922	Mar. 4, 1922
Corydon State Bank.....	Corydon.....	50,000	Mar. 3, 1922	Mar. 6, 1922
Sixteenth Street State Bank.....	Indianapolis.....	25,000	Mar. 10, 1922	Mar. 18, 1922
Forty-Second Street State Bank.....	Indianapolis.....	25,000	Aug. 17, 1921	Apr. 1, 1922
Tuxedo State Bank.....	Indianapolis.....	25,000	Apr. 5, 1922	May 13, 1922
Oolitic State Bank.....	Oolitic.....	25,000	May 15, 1922	May 27, 1922
State Bank of Carthage.....	Carthage.....	100,000	June 21, 1922	July 1, 1922
New Paris State Bank.....	New Paris.....	25,000	June 7, 1922	July 1, 1922
Mt. Summit State Bank.....	Mt. Summit.....	25,000	July 5, 1922	Aug. 1, 1922
Gwynneville State Bank.....	Gwynneville.....	25,000	Aug. 16, 1922	Sept. 5, 1922
Elizabeth State Bank.....	Elizabeth.....	25,000	Sept. 20, 1922	Sept. 23, 1922
Roosevelt Avenue State Bank.....	Indianapolis.....	25,000	Sept. 11, 1922	Sept. 30, 1922

STATE BANKS REINCORPORATED

State Bank of Warsaw, reincorporated as The State Bank of Warsaw, November 2, 1921.
 Sunman Bank, reincorporated as The Sunman State Bank, November 2, 1921.
 The Holton State Bank, reincorporated as Holton State Bank, November 2, 1921.
 Citizens State Bank, Bloomfield, reincorporated as The Citizens State Bank, February 1, 1922.
 Dillsboro State Bank, reincorporated as The Dillsboro State Bank, October 15, 1921.
 First State Bank, Bourbon, reincorporated as The First State Bank, March 31, 1922.
 Parke State Bank, Rockville, reincorporated as The Parke State Bank, April 19, 1922.
 The Farmers State Bank, Middletown, reincorporated as Farmers State Bank, May 17, 1922.
 Woodburn Banking Co., reincorporated as Woodburn State Bank, May 17, 1922.
 Mooreland State Bank, reincorporated as The Mooreland State Bank, August 16, 1922.
 The State Bank of Francesville, reincorporated as State Bank of Francesville, September 18, 1922.

STATE BANKS LIQUIDATED

Central State Bank, Gary, closed by department November 29, 1921, Clarence Bretsch appointed receiver December 2, 1921.
 Citizens State Bank, Dunkirk, closed by department January 26, 1922. Business taken over by First State Bank, Dunkirk.
 Beech Grove State Bank, Beech Grove, closed by department November 26, 1921, Chas. W. Jewett appointed receiver April 20, 1922.

NAME CHANGED—STATE BANKS

Peoples State Bank, Hammond, changed to Peoples Co-operative State Bank, November 21, 1921.
 Fodor & Busesky State Bank, South Bend, changed to Public State Bank, October 21, 1921.
 Public State Bank, South Bend, changed to Fodor State Bank, June 16, 1922.
 Gandy State Bank, South Whitley, changed to Mayer State Bank, September 30, 1922.

PRIVATE BANKS

Received Certificates of Authority and Opened for Business September 30, 1921, to September 30, 1922

NAME	Location	Capital	Certificate of Authority	Opened
Switz City Bank.....	Switz City.....	\$10,000	Oct. 20, 1921	Nov. 12, 1921
Citizens Bank.....	Freedom.....	10,000	Aug. 1, 1922	Aug. 5, 1922

PRIVATE BANKS RETIRED

Farmers Bank.....	Newburgh.....	Closed October 17, 1921, E. G. Sargent, Receiver
State Bank of Lima.....	Howe.....	Changed to State Bank, December 14, 1921.
The Farmers Bank.....	Scircleville.....	Changed to State Bank, January 2, 1922.
Wabash Bank.....	Vincennes.....	Changed to State Bank, January 3, 1922.
Bank of Lyons.....	Lyons.....	Changed to Trust Co., January 21, 1922.
Gosport Banking Co.....	Gosport.....	Changed to State Bank, January 23, 1922.
Leiters Ford Bank.....	Leiters Ford.....	Changed to State Bank, February 1, 1922.
Salem Bank.....	Goshen.....	Sold to Trust Co., December 31, 1921.
Citizens Bank.....	Bicknell.....	Changed to State Bank, February 11, 1922.
Elizabeth Bank.....	Elizabeth.....	Closed March 1, 1922, W. D. Barnes, Receiver.
Bank of Carthage.....	Carthage.....	Changed to State Bank, June 30, 1922.
New Paris Bank.....	New Paris.....	Changed to State Bank, June 30, 1922.
Mt. Summit Bank.....	Mt. Summit.....	Changed to State Bank, July 31, 1922.
Gwynneville Bank.....	Gwynneville.....	Changed to State Bank, September 2, 1922.
Yorktown Banking Co.....	Yorktown.....	Changed to State Bank, September 30, 1922.

CHANGE OF NAME—PRIVATE BANKS

E. R. Robards Bank, Stilesville, changed to Tri-County Bank, December 26, 1921.

TRUST COMPANIES

Incorporated September 30, 1921, to September 30, 1922

NAME	Location	Capital	Incorporated	Opened
Citizens Bank & Trust Co.....	Dugger.....	\$30,000	Nov. 30, 1921	Dec. 19, 1921
Lyons Bank & Trust Co.....	Lyons.....	25,000	Jan. 20, 1922	Jan. 23, 1922
Old Capital Bank & Trust Co.....	Corydon.....	100,000	Mar. 9, 1922	Mar. 9, 1922
Dime Savings & Trust Co.....	Fort Wayne.....	300,000	June 15, 1921	Mar. 18, 1922
Peoples Loan & Trust Co.....	Lafayette.....	50,000	Jan. 18, 1922	May 17, 1922
Commercial Trust Co.....	Gary.....	100,000	April 19, 1922	June 1, 1922
Union Trust Co.....	Columbus.....	200,000	May 17, 1922	June 12, 1922
Indiana Trust Co.....	South Bend.....	100,000	July 15, 1922	July 17, 1922
Farmers Loan & Trust Co.....	Nappanee.....	25,000	June 21, 1922	Aug. 30, 1922

TRUST COMPANIES LIQUIDATED

First State Trust & Savings Bank, Indiana Harbor, converted to National Bank, December 6, 1921.

Farmers Savings & Trust Co., Corydon, closed February 20, 1922, Sam. Riely, Receiver.

Farmers Trust Co., Columbus, and Peoples Savings & Trust Co., Columbus, absorbed by Union Trust Co. Columbus, June 12, 1922.

Union Trust Co., Crawfordsville, taken over by Crawfordsville Trust Co., August 9, 1922.

CHANGE OF NAME—TRUST COMPANIES

Elkhart County Trust Co., Goshen, changed to Salem Bank & Trust Co., December 31, 1921.

Resources					175		846		Compared with 843 June 30, 1922
					Trust Companies		Consolidated		
5					512				
Savings Banks					State Banks				
154									
Private Banks									
Loans and Discounts.....	\$12,971,192 26	\$21,549,687 94	\$157,111,476 40	\$138,057,150 84			\$329,689,507 44	\$328,196,844 03	
Overdrafts.....	.....	110,589 73	1,480,094 81	134,061 10			724,745 64	648,209 26	
United States Bonds.....	1,776,845 46	801,191 58	10,841,925 61	12,027,603 69			25,447,566 34	24,644,826 58	
Other Bonds and Securities.....	1,530,039 97	1,435,237 93	19,825,391 29	30,815,597 76			53,626,286 95	50,823,420 08	
Banking House.....	236,000 00	326,567 89	4,522,677 40	7,302,727 61			12,387,972 90	12,075,495 93	
Furniture and Fixtures.....	9,389 53	241,912 60	1,989,067 63	1,649,108 54			3,909,453 30	3,876,245 44	
Other Real Estate.....	25,714 92	151,863 39	1,349,580 67	1,598,418 37			3,125,857 35	2,987,687 49	
Due from Banks and Trust Companies.....	1,664,896 43	4,601,049 56	25,654,942 95	22,320,607 89			54,241,496 83	54,902,877 42	
Due on Hand.....	229,304 97	764,425 47	1,153,591 85	5,076,099 42			12,223,421 71	12,228,760 42	
Cash Items.....	17,910 47	81,299 01	1,304,066 62	1,053,210 91			2,456,487 01	3,380,287 57	
Current Expenses.....	28,038 63	441,584 58	3,195,893 46	1,975,088 54			1,693,745 42	1,690,400 45	
Advance to Estates and Trusts.....	.....	349,650 00	2,743,769 76	44,471,758 16			47,565,168 92	46,474,946 76	
Trust Securities.....	.....	.....	84,147 92	1,047,580 78			1,131,728 70	1,111,797 28	
Due from Departments.....	.....	.....	106,939 57	289,919 45			415,102 97	393,032 02	
Miscellaneous.....	.....	18,243 95	.....	.....			.....	.....
TOTAL RESOURCES.....	\$18,489,312 64	\$30,913,323 63	\$235,389,790 88	\$209,396,724 54			\$554,189,151 69	\$547,971,337 31	
LIABILITIES									
Capital Stock paid in.....	.....	\$2,262,900 00	\$21,150,200 00	\$21,450,315 00			\$44,883,415 00	\$44,649,805 00	
Surplus.....	\$2,114,000 00	911,613 56	8,220,375 09	7,557,709 02			18,893,697 07	18,847,954 44	
Undivided Profits.....	150,596 89	230,28 51	2,241,156 33	3,868,397 91			6,490,479 64	7,146,993 64	
Interest, Discount, etc.....	217,139 43	598,280 66	4,765,950 25	3,656,074 51			9,237,444 85	6,357,103 14	
Profit and Loss.....	.....	20,037 31	46,896 67	.....			66,933 98	36,176 82	
Dividend Unpaid.....	.....	635 00	7,557 00	18,213 53			26,405 53	38,738 70	
Demand Deposits.....	353,625 71	16,346,295 24	101,670,796 15	65,643,049 04			184,013,766 14	182,860,515 74	
Certificates of Deposit.....	2,811 37	7,734,971 16	51,901,323 31	29,021,849 09			88,600,994 93	88,714,378 28	
Savings Deposits.....	15,550,275 89	1,600,721 93	34,178,134 36	69,513,251 43			120,902,413 61	118,787,451 99	
Trust Deposits.....	.....	.....	.....	4,636,081 27			4,636,081 27	4,236,391 89	
Special Deposits.....	.....	.....	.....	3,786,387 70			3,786,387 70	4,796,032 07	
Due to Banks and Trust Companies.....	100,863 35	46,819 06	2,843,941 70	6,199,474 04			9,191,098 15	9,120,104 00	
Certified Checks.....	.....	1,610 52	143,786 91	.....			145,397 43	135,047 83	
Cashiers' Checks.....	28,307 06	28,307 06	618,873 39	*1,139,691 58			1,786,872 03	2,137,472 57	
Bills Payable.....	.....	431,437 35	3,753,273 48	5,055,433 71			9,240,164 54	7,969,746 37	
Notes, etc., Rediscounted.....	.....	243,943 82	1,116,812 03	2,491,893 23			3,852,649 08	4,985,760 61	
Due Departments.....	.....	.....	4,493 22	714,631 17			719,124 39	773,823 71	
Trust Investments.....	.....	349,650 00	2,690,238 53	44,483,135 51			47,523,024 04	46,246,625 97	
Miscellaneous.....	.....	25,732 45	35,982 46	161,106 80			222,841 71	189,909 04	
TOTAL LIABILITIES.....	\$18,489,312 64	\$30,913,323 63	\$235,389,790 88	\$209,396,724 54			\$554,189,151 69	\$547,971,337 31	

Average Cash Reserves 17.06%
 Increase in Resources Since Call of June 30, 1922 \$6,217,814.38.
 Increase in Deposits Since Call of June 30, 1922 \$2,335,576.59.

*Includes Certified Checks.

†Includes Interest and Taxes Paid

RESOURCES OF STATE BANKS

356	Acton State Bank, Acton.....	\$194,023 89	275	Peoples State Bank, Carlisle....	\$596,343 88
422	State Bank of Advance, Advance	265,272 94	265	Citizens State Bank, Carmel....	287,883 44
381	State Bank of Akron, Akron....	267,493 54	617	State Bank of Carthage, Carthage	393,845 17
113	Albany State Bank, Albany....	388,835 49	403	Centerville State Bank, Center-	
216	Farmers State Bank, Albion....	399,256 33		ville.....	232,325 68
451	Alert State Bank, Alert.....	165,251 29	195	Bank of Chalmers, Chalmers....	264,145 99
535	State Bank of Amboy, Amboy....	201,028 78	191	State Bank of Chalmers, Chal-	
362	Farmers & Merchants Bank,			mers.....	184,532 75
	Ambia.....	184,318 29	66	Bank of Charlestown, Charles-	
470	Anderson Banking Co., Anderson	1,905,133 44		town.....	352,758 21
221	The Citizens Bank, Anderson....	2,276,540 29	339	Chesterton Bank, Chesterton....	954,794 99
306	State Bank of Andrews, Andrews	279,483 42	260	The Chrisney State Bank, Chris-	
172	Steuben County State Bank,			ney.....	238,008 74
	Angola.....	338,799 36	549	Farmers State Bank, Chrisney..	178,822 17
404	Arcola State Bank, Arcola.....	257,151 17	441	The Farmers State Bank, Chur-	
410	Citizens State Bank, Argos....	396,879 12		ubusco.....	247,611 95
551	The Ashley State Bank, Ashley..	165,701 09	475	Exchange Bank, Churubusco....	413,918 65
511	State Bank of Atlanta, Atlanta..	214,464 73	375	State Bank of Clarks Hill, Clarks	
23	Farmers & Merchants Bank,			Hill.....	127,009 88
	Attica.....	1,129,529 13	199	Clarksburg State Bank, Clarks-	
185	Auburn State Bank, Auburn....	767,912 44		burg.....	185,331 09
292	Aurora State Bank, Aurora.....	423,102 28	525	Farmers & Merchants Bank,	
318	Austin State Bank, Austin.....	99,105 99		Clay City.....	625,949 30
455	The Farmers State Bank, Bain-		491	State Bank of Claypool, Claypool	199,113 23
	bridge.....	204,343 85	391	Clayton State Bank, Clayton...	178,075 98
315	Farmers State Bank, Bargersville	236,844 83	589	Clermont State Bank, Clermont...	111,363 54
39	The Batesville Bank, Batesville..	1,018,027 61	94	Citizens Bank, Clinton.....	797,188 38
434	Battle Ground State Bank,		536	Ninth Street State Bank, Clinton	288,245 27
	Battle Ground.....	306,550 04	424	Farmers State Bank, Colfax....	199,516 34
50	Stone City Bank, Bedford.....	1,029,117 89	572	Coatesville State Bank, Coates-	
554	Bentonville State Bank, Benton-			ville.....	90,987 63
	ville.....	88,220 48	263	Central State Bank, Connorsville	661,010 23
68	Bank of Berne, Berne.....	592,063 37	270	Farmers State Bank, Converse...	359,736 89
152	Peoples State Bank, Berne.....	510,789 55	612	Corydon State Bank, Corydon...	306,648 04
610	Citizens State Bank, Bicknell....	269,712 53	446	The Citizens Bank, Covington...	523,873 78
370	Bippus State Bank, Bippus.....	220,728 81	486	Farmers State Bank, Craigsville	153,763 75
273	Bloomfield State Bank, Bloom-		567	Harrison County State Bank,	
	field.....	382,356 95		Crandall.....	107,471 48
140	Citizens State Bank, Bloomfield.	233,762 03	167	Crawfordsville State Bank, Craw-	
89	Monroe County State Bank,			fordsville.....	1,047,114 54
	Bloomington.....	945,991 73	181	Cromwell State Bank, Cromwell.	287,889 19
168	The Studebaker Bank, Bluffton...	2,236,328 65	500	Sparta State Bank, Cromwell...	205,125 22
37	The Wells County Bank, Bluffton	1,416,835 85	252	Cross Plains State Bank, Cross	
600	Sugar Creek State Bank, Boggs-			Plains.....	216,760 60
	town.....	51,604 68	400	Citizens State Bank, Crothers-	
234	Borden State Bank, Borden.....	219,555 05		ville.....	91,994 77
169	Farmers & Merchants Bank,		121	Crothersville State Bank,	
	Boswell.....	284,033 97		Crothersville.....	401,490 50
405	Farmers State Bank, Boston....	152,448 77	108	Commercial Bank, Crown Point...	473,567 37
284	Bourbon Banking Co., Bourbon...	191,859 19	200	Peoples State Bank, Crown Point	1,186 566 37
142	First State Bank, Bourbon.....	696,059 79	513	State Exchange Bank, Culver....	768,013 08
514	Bremen State Bank, Bremen.....	306,670 95	232	Cynthiana Banking Company,	
57	Union State Bank, Bremen.....	563,299 23		Cynthiana.....	250,034 51
509	Bristol State Bank, Bristol.....	220,582 47	351	Dale State Bank, Dale.....	284,530 45
596	Citizens State Bank, Bristol....	116,972 65	541	Farmers & Merchants State	
371	Broad Ripple State Bank, Broad			Bank, Dale.....	120,124 58
	Ripple.....	369,975 53	215	Bank of Dana, Dana.....	299,382 25
112	Bank of Brookston, Brookston...	295,196 34	190	Danville State Bank, Danville...	258,443 50
222	Farmers Bank of Brookston,		399	Darlington State Bank, Darling-	
	Brookston.....	340,892 57		ton.....	360,147 70
303	Brownsburg State Bank, Browns-		259	Farmers & Merchants State	
	burg.....	248,163 47		Bank, Darlington.....	269,639 78
282	Citizens State Bank—Ewing,		6	Old Adams County Bank	
	Brownstown.....	255,112 13		Decatur.....	1,398 742 68
530	Brownsville State Bank, Browns-		324	Farmers & Merchants Bank,	
	ville.....	137,977 54		Decker.....	187,619 33
456	Bruceville State Bank, Bruceville	191,470 66	390	Delphi State Bank, Delphi.....	662,145 50
194	Farmers & Merchants Bank,		527	Citizens State Bank, Denver....	177,471 14
	Bryant.....	227,639 71	136	Dillsboro State Bank, Dillsboro.	464,280 64
538	Buck Creek State Bank, Buck		327	Farmers State Bank, Dubois....	206,446 47
	Creek.....	128,395 36	197	The Dugger State Bank, Dugger	373,970 86
244	Farmers State Bank, Bunker Hill	221,231 09	122	First State Bank, Dunkirk.....	904,566 96
276	State Bank of Burnettsville,		340	Dupont State Bank, Dupont....	195,681 92
	Burnettsville.....	241,729 34	242	Earl Park State Bank, Earl Park	167,617 33
445	Burlington State Bank, Burling-		510	American State Bank, East	
	ton.....	246,249 00		Chicago.....	556,840 17
432	Burney State Bank, Burney.....	131,564 16	332	East Chicago State Bank, East	
267	Knisely Bros. & Co. Bank, Butler	527,324 03		Chicago.....	809,758 22
314	Butler State Bank, Butler-		611	Peoples State Bank, East Chicago	183,939 44
	ville.....	214,393 04	219	Eaton State Bank, Eaton.....	155,966 67
548	Camden State Bank, Camden....	217,838 45	102	Farmers State Bank, Eaton....	447,511 42
291	Farmers State Bank, Camden....	178,189 04	581	The Thompson State Bank,	
473	State Bank of Campbellsburg,			Edinburg.....	635,529 26
	Campbellsburg.....	283,257 82			

RESOURCES OF STATE BANKS—Continued

487	The Edwardsport Bank, Edwardsport	\$140,527 67	345	Hanover Deposit Bank, Hanover	\$94,829 64
229	Elberfeld State Bank, Elberfeld	348,728 93	363	Harlan State Bank, Harlan	241,184 37
569	First Old State Bank, Elkhart	818,621 11	87	Blackford County Bank, Hartford City	676,829 54
12	St. Joe Valley Bank, Elkhart	4,627,707 93	16	Citizens State Bank, Hartford City	1,477,251 98
202	Peoples State Bank, Ellettsville	183,155 94	193	The Haubstadt Bank, Haubstadt	646,362 73
299	Citizens State Bank, Elwood	1,164,462 40	157	Citizens State Bank, Hazleton	404,045 24
151	Elwood State Bank, Elwood	974,759 47	288	The Citizens Bank, Hebron	336,001 49
449	Farmers State Bank, Eminence	254,797 76	580	Hemlock State Bank, Hemlock	101,664 11
149	Crawford County State Bank, English	616,515 59	182	Henryville State Bank, Henryville	676,829 54
247	Farmers & Citizens Bank, Evansville (Howell)	460,486 18	361	Hillsboro State Bank, Hillsboro	189,619 07
439	The Lamasco Bank, Evansville	1,116,031 93	319	Hoagland State Bank, Hoagland	203,849 69
505	Mercantile-Commercial Bank, Evansville	2,422,525 40	120	The First State Bank, Hobart	638,087 57
411	North Side Bank, Evansville	1,490,861 67	435	Farmers State Bank, Hobbs	213,113 05
148	West Side Bank, Evansville	3,533,334 99	137	Holton State Bank, Holton	273,713 01
330	Fairbanks State Bank, Fairbanks	182,756 07	409	Hope State Bank, Hope	255,304 73
367	Citizens State Bank, Fairmount	195,153 80	603	The State Bank of Lima, Howe	433,332 68
209	Fairmount State Bank, Fairmount	411,787 29	495	Farmers State Bank, Hudson	203,656 07
208	Citizens State Bank, Farmersburg	249,616 29	22	Huntingburg Bank, Huntingburg	673,404 51
30	Farmland State Bank, Farmland	222,483 21	150	Citizens State Bank, Huntington	1,469,343 60
366	Beckman State Bank, Ferdinand	325,105 73	134	Huntington County State Bank, Huntington	1,452,514 91
452	Union State Bank, Flat Rock	139,492 98	407	Huntersville State Bank, Huntersville	177,431 40
174	Florence Deposit Bank, Florence	125,522 17	236	Hymers State Bank, Hymers	447,224 80
250	The Fortville Bank, Fortville	455,116 13	471	State Bank of Idaville, Idaville	217,704 52
591	The Broadway State Bank, Ft. Wayne	202,392 80	521	Brightwood State Bank, Indianapolis	266,079 53
559	The Ft. Wayne State Bank, Ft. Wayne	302,483 29	384	Citizens State Bank, Indianapolis	899,739 82
460	Farmers State Bank, Fountain-town	131,917 51	601	East Side State Bank, Indianapolis	161,544 96
595	Fountain State Bank, Fountain City	133,673 36	385	Irvington State Bank, Indianapolis	481,277 93
74	Bank of Benton County, Fowler State Bank of Francesville	392,512 24	614	Forty Second Street State Bank, Indianapolis	89,230 58
145	Francisville	316,804 06	300	Fountain Square State Bank, Indianapolis	876,112 89
307	Francisco State Bank, Francisco	192,296 55	417	Live Stock Exchange Bank, Indianapolis	1,451,635 68
10	Farmers Bank, Frankfort	1,345,435 54	372	Marion County State Bank, Indianapolis	1,088,616 30
227	The Freelandville Bank, Freelandville	216,263 66	241	Meyer-Kiser Bank, Indianapolis	5,279,096 65
379	First State Bank, Fremont	214,560 10	414	Northwestern State Bank, Indianapolis	725,407 33
164	French Lick State Bank, French Lick	1,371,911 75	129	Peoples State Bank, Indianapolis	2,590,514 90
398	Friendship State Bank, Friendship	228,421 75	613	Sixteenth Street State Bank, Indianapolis	173,407 41
286	Fulton State Bank, Fulton	254,453 44	394	South Side State Bank, Indianapolis	1,529,137 45
393	First State Bank, Galveston	151,626 35	565	State Bank of Massachusetts Avenue, Indianapolis	206,771 64
88	Garrett State Bank, Garrett	839,000 12	615	Tuxedo State Bank, Indianapolis	79,629 37
523	American State Bank, Gary	369,371 65	218	J. F. Wild & Co. Bank, Indianapolis	4,649,527 25
249	First State Bank, Gary (Tolles-ton)	386,184 80	160	Citizens State Bank, Jamestown	409,325 00
269	Gary State Bank, Gary	3,428,979 76	419	The Peoples State Bank, Jasonville	437,203 69
562	Mid-City State Bank, Gary	173,603 66	26	Dubois County State Bank, Jasper	620,893 91
598	Peoples State Bank, Gary	319,047 74	105	Farmers & Merchants State Bank, Jasper	480,212 41
254	First State Bank, Gas City	331,922 36	353	German-American Bank, Jasper	347,108 84
325	Gaston Banking Company, Gaston	295,605 41	517	Clark County State Bank, Jeffersonville	868,006 29
107	Bank of Geneva, Geneva	472,023 91	444	Jonesville State Bank, Jonesville	103,671 85
337	Farmers & Merchants State Bank, Geneva	284,874 99	189	State Bank of Kempton, Kempton	338,946 56
326	Georgetown State Bank, Georgetown	153,307 67	65	Noble County Bank, Kendallville	1,305,091 38
279	Glenwood State Bank, Glenwood	205,618 16	304	Discount & Deposit Bank, Kentland	801,434 21
78	State Bank of Goshen, Goshen	786,176 06	357	Kent State Bank, Kentland	432,916 64
607	Gosport State Bank, Gosport	193,483 90	545	Citizens State Bank, Kingman	260,023 89
257	Grabill State Bank, Grabill	302,021 63	550	Kingman State Bank, Kingman	218,314 65
483	Grandview State Bank, Grandview	372,329 21	507	State Farmers Bank, Keystone	183,254 44
116	Capital State Bank, Greenfield	350,879 19	386	First State Bank, Kewanna	409,735 94
155	State Bank of Greentown, Greentown	397,408 17	501	State Bank of Kimmell, Kimmell	139,076 84
590	Griffith State Bank, Griffith	87,703 65	397	Farmers State Bank, Kirklint	202,731 73
620	Gwynneville State Bank, Gwynneville	86,758 15	133	Farmers State Bank, Knox	580,851 04
380	Hamlet State Bank, Hamlet	242,950 15	479	South Kokomo Bank, Kokomo	203,411 06
546	State Bank of Hammond, Hammond	246,823 35	528	Porter County State Bank, Kouts	254,946 85
571	Peoples Cooperative State Bank, Hammond	449,483 86	482	Citizens State Bank, Lacrosse	306,505 57
			442	Citizens State Bank, Ladoga	568,618 13

RESOURCES OF STATE BANKS—Continued

132	Farmers & Traders State Bank, Lafayette.....	\$3,791,794 63	585	State Bank of Montezuma, Montezuma.....	\$220,783 12
522	Farmers State Bank, Lafontaine.....	154,926 45	360	Farmers State Bank, Monticello	184,214 31
171	Lagrange State Bank, Lagrange.....	500,652 34	109	State Bank of Monticello, Monticello.....	608,699 53
387	Citizens State Bank, Lagro.....	176,986 49	335	Montmorenci State Bank, Montmorenci.....	295,370 89
396	Laketon State Bank, Laketon.....	139,384 35	67	Farmers Deposit Bank, Montpelier.....	553,217 57
516	Farmers State Bank, Lakeville.....	173,371 73	144	The Mooreland State Bank, Mooreland.....	201,034 20
347	Farmers State Bank, Lanesville.....	306,103 94	228	Moore's Hill State Bank, Moore's Hill.....	177,828 28
463	Farmers State Bank, Lapaz.....	191,332 37	4	Farmers State Bank, Mooresville	650,403 44
223	State Bank of Lapel, Lapel.....	177,101 94	344	Citizens State Bank, Morocco...	243,956 64
210	A. P. Andrew, Jr., & Son Bank, Laporte.....	2,886,583 38	346	Farmers State Bank, Morocco...	201,337 89
214	Bank of State of Indiana, Laporte	1,951,741 20	69	Union State Bank, Morristown...	233,404 33
428	Lawrence State Bank, Lawrence.....	161,560 71	579	The State Bank of Mt. Ayr, Mt. Ayr.....	169,839 56
233	The American State Bank, Lawrenceburg.....	335,220 70	619	Mt. Summit State Bank, Mt. Summit.....	102,571 20
224	Leavenworth State Bank, Leavenworth.....	274,035 24	266	Mulberry State Bank.....	488,091 38
373	Boone County State Bank, Lebanon.....	859,507 58	494	Farmers Savings Bank, Muncie...	475,555 02
130	Farmers State Bank, Lebanon.....	869,692 26	176	Napoleon State Bank, Napoleon.	181,734 27
302	Peoples State Bank, Leesburg...	238,729 30	450	Farmers and Traders Bank, Nappanee.....	483,853 15
578	Farmers State Bank, Leipsic.....	88,656 58	203	Nashville State Bank, Nashville	226,664 12
609	Leiters Ford State Bank, Leiters Ford.....	124,182 76	518	Farmers and Traders State Bank, Needham.....	82,619 06
437	Letts State Bank, Letts.....	155,604 77	278	Floyd County Bank, New Albany	917,908 99
597	Lexington State Bank, Lexington	184,946 98	377	New Augusta State Bank, New Augusta.....	218,358 28
277	Liberty Center Deposit Bank, Liberty Center.....	273,793 42	602	Newburgh State Bank, Newburgh	231,542 26
350	The Citizens Bank, Ligonier.....	942,992 41	539	Farmers State Bank New Carlisle	237,926 39
217	Mier State Bank, Ligonier.....	996,711 04	3	Citizens State Bank, Newcastle..	1,941,249 71
512	Linden State Bank, Linden.....	219,338 41	328	New Haven State Bank, New Haven.....	555,034 59
430	Linsburg State Bank, Linsburg.....	131,822 12	476	Peoples State Bank, New Haven	373,538 66
582	State Bank of Lizton, Lizton.....	166,554 52	568	New Marion State Bank, New Marion.....	100,392 17
298	Farmers & Merchants State Bank, Logansport.....	925,088 20	173	Farmers State Bank, NewMarket	246,441 88
97	Logansport State Bank, Logansport.....	1,506,153 12	618	New Paris State Bank, New Paris	207,089 77
158	The White River Bank, Logosotee	380,154 75	406	First State Bank, Newport.....	218,454 48
592	Losantville State Bank, Losantville.....	215,820 39	204	Citizens State Bank, Newport...	200,323 69
395	Lucerne State Bank, Lucerne.....	161,270 87	264	Corn Exchange State Bank, New Richmond.....	238,358 42
474	Citizens Banking Co., Lynn.....	401,360 43	563	Farmers State Bank, New Ross...	89,264 80
493	Corn Exchange Bank, Lyons.....	183,264 98	504	New Salem State Bank, New Salem.....	153,389 33
566	Mackey State Bank, Mackey.....	109,651 97	295	New Washington State Bank, New Washington.....	233,076 47
212	Marion State Bank, Marion.....	1,354,672 34	11	Citizens State Bank, Noblesville	918,385 92
503	South Marion State Bank, Marion	182,678 06	355	First State Bank, North Judson.	818,579 74
175	Farmers & Traders Bank, Markle	346,902 52	573	North Judson State Bank, North Judson.....	162,393 94
524	Markleville State Bank, Markleville.....	297,318 88	338	North Liberty State Bank, North Liberty.....	390,341 50
262	Farmers State Bank, Matthews.....	150,851 07	489	North Madison State Bank, North Madison.....	103,422 88
271	Medaryville State Bank, Medaryville.....	266,688 60	135	Indiana State Bank, North Manchester.....	642,049 73
529	The Medora State Bank, Medora	256,227 65	477	Farmers State Bank, North Webster.....	178,374 68
584	Farmers State Bank, Mentone.....	713,923 32	502	Oaklandon State Bank, Oaklandon.....	174,791 39
364	Merom State Bank, Merom.....	171,360 21	165	Columbia State Bank, Oakland City.....	329,905 17
427	Farmers State Bank, Mexico.....	155,851 92	293	Oaktown Bank, Oaktown.....	345,537 00
32	The Citizens Bank, Michigan City.....	2,920,669 07	461	Farmers State Bank, Oakville...	122,671 29
497	Peoples State Bank, Michigan-town.....	273,624 42	537	Farmers & Merchants State Bank, Oldenburg.....	257,557 23
354	First State Bank, Middlebury...	443,106 82	478	Farmers State Bank, Onward.....	121,513 26
19	The Farmers State Bank, Middletown.....	447,647 59	616	Oolitic State Bank, Oolitic.....	76,032 91
583	Middletown State Bank, Middletown.....	130,543 10	243	Citizens State Bank, Orland.....	173,723 28
431	Farmers State Bank, Miami.....	217,990 01	297	Citizens State Bank, Orleans.....	310,461 66
542	Farmers State Bank, Milan.....	100,564 37	211	The Osgood Bank, Osgood.....	252,440 20
119	The State Bank of Milan, Milan.	575,916 35	28	Ripley County Bank, Osgood...	884,833 31
481	Farmers State Bank, Milford.....	307,177 52	402	Farmers State Bank, Ossian.....	292,273 50
577	Citizens State Bank, Milford.....	165,566 57	163	Farmers & Merchants Bank, Otterbein.....	491,843 81
312	Millersburg State Bank, Millersburg.....	204,017 93	98	State Bank of Otterbein, Otterbein.....	447,386 90
576	West End State Bank, Mishawaka	321,655 16	183	Otwell State Bank, Otwell.....	421,500 64
560	The Mohawk State Bank, Mohawk.....	163,719 32	557	First State Bank, Owensville...	368,121 62
466	Mongo State Bank, Mongo.....	165,788 79			
564	Farmers & Traders State Bank, Monon.....	357,436 79			
248	State Bank of Monon, Monon.....	358,133 89			
289	Monroe State Bank, Monroe.....	159,399 79			
309	Monroe City State Bank, Monroe City.....	142,800 58			
84	Citizens State Bank, Monroeville	475,955 50			

RESOURCES OF STATE BANKS—Continued

125	The Old State Bank, Owensville.	\$204,181 31	240	Farmers State Bank, South Whitley	\$261,486 72
146	The State Bank of Oxford, Oxford	259,727 64	170	Mayer State Bank, South Whitley	363,870 14
58	Orange County Bank, Paoli	390,106 29	7	The Exchange Bank, Spencer	512,852 19
454	Paoli State Bank, Paoli	509,786 21	459	Farmers and Merchants State Bank, Spencerville	216,587 26
320	Paragon State Bank, Paragon	131,761 69	416	First State Bank, Star City	304,884 66
178	Paris Crossing State Bank, Paris Crossing	101,611 09	421	The Citizens State Bank, Stilesville	159,200 36
413	Parker Banking Co., Parker	295,038 46	533	Farmers State Bank, St. Paul	190,668 07
64	Patriot Deposit Bank, Patriot	154,333 84	426	St. Joe Valley Bank, St. Joe	171,946 95
261	Citizens State Bank, Pekin	218,081 97	341	The State Bank of Stockwell, Stockwell	241,201 43
220	Pendleton Banking Co., Pendleton	408,903 49	465	Farmers State Bank, Stroh	199,525 20
588	The Pennville Bank, Pennville	172,855 96	255	The Peoples State Bank, Sullivan	1,772,397 00
206	Peoples State Bank, Pennville	130,055 19	114	Sullivan State Bank, Sullivan	541,326 75
520	State Bank of Pierceton, Pierceton	334,544 73	558	Farmers State Bank, Summitville	136,276 56
5	Citizens State Bank, Petersburg	1,009,768 35	139	The Sunman State Bank, Sunman	509,507 50
555	Pittsboro State Bank, Pittsboro	167,284 70	408	Farmers State Bank, Sweetser	271,387 96
44	Citizens State Bank, Plainfield	252,529 06	305	State Bank of Syracuse, Syracuse	461,484 42
448	First State Bank, Pleasant Lake	184,606 60	453	Citizens State Bank, Tab	102,831 69
73	Plymouth State Bank, Plymouth	888,537 33	238	Indiana State Bank, Terre Haute	589,210 95
389	Farmers State Bank, Poneto	165,243 02	532	Twelve Points State Bank, Terre Haute	628,761 31
570	First State Bank, Porter	154,461 59	48	State Bank of Thorntown, Thorntown	346,886 73
8	The Citizens Bank, Portland	968,494 56	496	Tippecanoe State Bank, Tippecanoe	64,047 16
464	Farmers State Bank, Portland	325,822 20	515	Farmers State Bank, Topeka	173,942 71
1	The Peoples Bank, Portland	1,202,490 58	166	State Bank of Topeka, Topeka	403,670 62
469	Farmers State Bank, Preble	149,775 87	429	Troy State Bank, Troy	294,311 99
358	Raub State Bank, Raub	103,206 65	378	Twelve Mile State Bank, Twelve Mile	256,637 10
574	Ray State Bank, Ray	103,208 45	561	Farmers State Bank, Tyner	126,846 31
110	Bank of Red Key, Red Key	383,957 56	499	State Bank of Uniondale, Uniondale	350,875 31
436	Farmers State Bank, Red Key	219,748 53	239	The Atlas State Bank, Union City	1,009,948 01
311	State Bank of Remington, Remington	439,631 58	509	Union State Bank, Union Mills	222,757 46
192	State Bank of Rensselaer, Rensselaer	603,485 90	329	Upland State Bank, Upland	215,084 32
280	Lake State Bank, Richland	176,636 41	412	Farmers State Bank, Urbana	210,725 88
440	Bank of Reynolds, Reynolds	264,148 47	245	Vallonia State Bank, Vallonia	221,683 74
131	Ridgeville State Bank, Ridgeville	298,758 20	526	Farmers State Bank, Valparaiso	990,248 62
123	Rising Sun State Bank, Rising Sun	397,246 53	45	State Bank of Valparaiso, Valparaiso	1,094,673 15
86	Roachdale Bank, Roachdale	410,207 19	433	Van Buren State Bank, Van Buren	465,239 30
480	State Exchange Bank, Roann	275,458 27	382	The Farmers State Bank, Veedsburg	252,282 42
472	Farmers State Bank, Roanoke	219,190 47	506	Veedsburg State Bank, Veedsburg	165,581 18
46	The Farmers Bank, Rockport	314,852 21	63	The Versailles Bank, Versailles	433,196 85
25	Old Rockport Bank, Rockport	349,458 71	72	Vevay Deposit Bank, Vevay	653,079 85
95	Parke State Bank, Rockville	643,214 09	606	North Side State Bank, Vincennes	116,991 16
485	Farmers State Bank, Rossville	193,518 21	540	Farmers State Bank, Waldron	153,241 61
336	Citizens State Bank, Royal Center	219,216 22	534	State Bank of Waldron, Waldron	224,394 33
196	The Royal Center State Bank, Royal Center	389,118 55	467	Farmers State Bank, Walkerton	265,973 92
365	State Bank of Russellville, Russellville	150,705 55	161	State Bank of Walkerton, Walkerton	354,027 26
42	Citizens State Bank, Salem	305,335 04	372	Cass County State Bank, Walton	259,875 84
322	Farmers State Bank, Salem	198,092 47	543	Wanamaker State Bank, Wanamaker	159,096 56
531	State Bank of Salem, Salem	1,030,217 63	468	State Bank of Wanatah, Wanatah	389,409 55
207	Sandborn Banking Co., Sandborn	195,582 62	9	Lake City Bank, Warsaw	559,672 58
177	Saratoga State Bank, Saratoga	207,388 23	18	State Bank of Warsaw, Warsaw	1,151,242 36
605	Farmers State Bank, Scircleville	144,901 64	331	State Bank of Washington, Washington	299,425 83
126	Scottsburg State Bank, Scottsburg	401,222 93	290	State Bank of Waveland, Waveland	218,389 44
53	Scott County State Bank, Scottsburg	303,087 13	488	Farmers State Bank, Wawaka	101,473 88
313	Sellersburg State Bank, Sellersburg	252,130 32	296	Waynetown State Bank, Waynetown	315,520 13
433	American State Bank, Sheridan	256,179 35	106	The Farmers State Bank, West College Corner, O.	697,561 34
285	Farmers State Bank, Shipshewana	229,562 03	21	State Bank of Westfield, Westfield	190,480 83
547	Citizens State Bank, Shirley	204,727 67	349	Purdue State Bank, West Lafayette	451,432 74
29	Martin County Bank, Shoals	363,792 17	575	Westpoint State Bank, Westpoint	98,162 74
594	Sidney State Bank, Sidney	162,434 80	258	State Bank of West Terre Haute, West Terre Haute	575,274 95
230	Commercial State Bank, Silver Lake	256,076 63	556	Peoples State Bank, Whitestown	244,111 67
388	Chapin State Bank, South Bend	1,708,958 44	497	Bank of Whiting, Whiting	1,893,523 83
604	LaSalle State Bank, South Bend	313,789 63		Central State Bank, Whiting	401,440 33
608	Washington State Bank, South Bend	214,995 56			
593	Toth State Bank, South Bend	236,277 60			
552	Peoples State Bank, South Bend	950,997 78			
553	South Bend State Bank, South Bend	878,907 06			
586	Fodor State Bank, South Bend	73,387 51			
587	Peoples State Bank, South Milford	160,329 72			

RESOURCES OF STATE BANKS—Continued

38	Warren County Bank, Williamsport.....	\$502,843 74	184	State Bank of Wolcott, Wolcott..	\$397,841 30
92	Williamsport State Bank, Williamsport.....	503,006 19	180	State Bank of Wolcottville, Wolcottville.....	374,223 45
508	Willow Branch State Bank, Willow Branch.....	138,935 68	492	Wildman State Bank, Wolcottville.....	194,643 83
14	Farmers and Merchants Bank, Winchester.....	684,806 72	519	Wolf Lake State Bank, Wolf Lake.....	114,408 08
15	Randolph County Bank, Winchester.....	445,609 16	143	Woodburn State Bank, Woodburn.....	195,999 31
447	Farmers State Bank, Windfall.....	183,353 94	333	Worthington Exchange State Bank, Worthington.....	243,246 63
80	The Peoples State Bank, Windfall.....	414,007 86	348	Yoder State Bank, Yoder.....	184,167 52
71	The Farmers State Bank, Wingate.....	310,810 29	484	Farmers State Bank, Young America.....	210,511 85
369	Citizens State Bank, Wolcott.....	199,909 77		TOTAL.....	\$235,389,790 88

RESOURCES OF PRIVATE BANKS

155	Akron Exchange Bank, Akron.....	\$612,787 78	315	Bank of Hardinsburg, Hardinsburg.....	\$221,035 87
147	Alexandria Bank, Alexandria.....	632,440 01			91,703 30
346	Central Bank, Arcadia.....	375,018 13	216	Farmers Bank, Hazelwood.....	136,046 80
11	Arlington Bank, Arlington.....	176,090 04	322	Farmers and Merchants Bank, Highland.....	266,051 08
383	Atwood Bank, Atwood.....	96,321 27	64	Hobart Bank, Hobart.....	101,460 90
58	Farmers and Merchants Bank, Avilla.....	271,173 14	318	Hillisburg Bank, Hillisburg.....	40,863 37
379	Farmers Bank of Belle Union, Belle Union—Coatesville.....	64,314 66	384	The Citizens Bank, Jolietville.....	185,498 08
23	Bloomington Bank, Bloomington.....	185,964 67	240	Citizens Bank, Jonesboro.....	468,097 88
357	Showers Bros. Savings Co. Bloomington.....	145,625 66	91	Campbell & Fetter Bank, Kendallville.....	161,343 79
304	Blountsville Bank, Blountsville.....	122,651 42	319	Kennard Bank, Kennard.....	71,472 69
377	Bridgeton Bank, Bridgeton.....	53,123 77	271	The Bank of Kirkpatrick, Kirkpatrick.....	302,186 10
231	Bank of Brook, Brook.....	670,579 56	137	Lafontaine Bank, Lafontaine.....	151,091 09
382	Bridgeport Bank, Bridgeport.....	53,571 10	340	Farmers and Merchants Bank, La Otto.....	111,283 14
248	Peoples Deposit Bank, Brooklyn.....	91,934 64	273	Larwill Bank, Larwill.....	104,282 13
247	Hunter Bank, Brownsburg.....	335,407 90	189	Laurel Bank, Laurel.....	528,543 94
57	Browns Valley Bank, Browns Valley.....	87,128 45	77	Citizens Bank, Liberty.....	107,084 92
310	Bank of Seward, Burkett.....	119,378 55	299	Bank of Linn Grove, Linn Grove.....	195,953 47
317	Carbon Bank, Carbon.....	179,814 08	267	Citizens Bank, Macey.....	341,433 27
348	Farmers Banking Co., Carlos.....	118,858 53	103	Manilla Bank, Manilla.....	75,801 05
255	The Cates Bank, Cates.....	97,456 67	308	Farmers Bank, Marco.....	308,355 19
333	Citizens Bank, Charlottsville.....	129,365 82	252	Bank of Marengo, Marengo.....	75,578 58
160	Farmers Bank, Clarks Hill.....	158,371 00	378	Bank of Marshfield, Marshfield.....	156,333 29
201	Colfax Bank, Colfax.....	291,313 31	64	Citizens Bank, Marshall.....	107,336 63
222	Irwin's Bank, Columbus.....	1,562,172 90	306	The Mecca Bank, Mecca.....	56,725 00
356	The Citizens Bank, Commiskey.....	55,261 93	367	Mechanicsburg Bank, Mechanicsburg.....	88,902 69
107	Thomas Exchange Bank, Corunna.....	169,172 84	54	Mellott Bank, Mellott.....	86,792 62
327	The Citizens Bank, Cory.....	146,893 82	296	The Farmers Bank, Metamora.....	111,332 33
265	Cumberland Bank, Cumberland.....	222,079 82	381	Citizens Bank, Metz.....	204,889 57
386	The Cutler Bank, Cutler.....	68,719 03	146	The Milroy Bank, Milroy.....	85,437 33
33	The Commercial Bank, Daleville.....	150,589 77	380	Washington Township Bank, Milton.....	490,628 50
218	The Peoples Banking Co., Darlington.....	192,254 87	9	The Citizens Banking Co., Modoc.....	206,284 08
329	Bank of Dayton, Dayton.....	246,934 72	311	Farmers and Merchants Bank, Montgomery.....	121,381 24
179	A. T. Bowen & Co. Bank, Delphi.....	1,340,892 81	345	Farmers Bank, Mooreland.....	102,573 23
360	Bank of De Motte, De Motte.....	106,171 31	130	Muncie Banking Co., Muncie.....	33,704 29
251	Jefferson County Bank, Deputy.....	112,336 30	279	Citizens Bank, Newberry.....	94,917 43
276	The Bank of East Enterprise, East Enterprise.....	\$129,112 50	300	The Farmers Bank, New Lisbon.....	135,142 42
291	Northern Wayne Bank, Economy.....	114,101 09	186	New Palestine Bank, New Palestine.....	260,679 17
172	Farmers and Merchants Bank, Elizabethtown.....	153,348 54	62	R. H. Nixon & Co. Bank, Newport.....	309,589 46
35	The Citizens Bank, Elnora.....	172,735 09	224	The Citizens Bank, New Ross.....	116,462 82
144	Etna Bank, Etna Green.....	397,188 76	375	Jackson Township Bank of Corydon Junction, New Salisbury.....	93,059 09
293	Falmouth Bank, Falmouth.....	123,924 03	140	The Newtown Bank, Newtown.....	123,042 01
338	The Farmers Bank, Fillmore.....	151,848 48	154	North Salem Bank, North Salem.....	251,754 39
385	Farmers and Merchants Bank, Foraker.....	79,102 23	336	Farmers Bank, Odon.....	161,542 24
215	Citizens Bank, Forrest.....	129,079 36	100	Bank of Oxford, Oxford.....	575,169 52
349	Fowlerton Bank, Fowlerton.....	111,367 76	244	Citizens Bank, Palmyra.....	349,540 46
212	Frankton Bank, Frankton.....	252,279 52	312	Patrickburg Bank, Patrickburg.....	161,195 56
358	Bank of Fredericksburg, Fredericksburg.....	148,923 02	183	Bank of Pence, Pence.....	164,154 30
388	Citizens Bank, Freedom.....	33,509 43	314	The Perrysville Bank, Perrysville.....	124,467 33
295	Farmers Bank, Freetown.....	84,488 80	355	Jackson Township Bank, Pershing.....	90,346 16
26	G. W. Conwell Bank, Galveston.....	262,283 43	268	Bank of Petroleum, Petroleum.....	194,197 85
373	Goldsmith Bank, Goldsmith.....	81,594 60	111	Bank of Pine Village, Pine Village.....	223,651 08
85	Gosport Bank, Gosport.....	176,779 35	263	Farmers Bank, Plainville.....	233,184 68
374	Citizens Bank, Grass Creek.....	88,944 51	337	Bank of Poland, Poland.....	115,559 36
202	Citizens Bank, Greenfield.....	383,797 77	313	Bank of Poneto, Poneto.....	159,753 17
371	Farmers Bank, Hall.....	45,440 74	331	Rockfield Bank, Rockfield.....	134,067 96
30	Hamilton Bank, Hamilton.....	328,608 45	368	Peoples Bank, Rolling Prairie.....	128,430 63
321	Farmers and Merchants Bank, Hanna.....	182,318 19			

RESOURCES OF PRIVATE BANKS—Continued

44	Romney Bank, Romney.....	\$174,030 78	387	Switz City Bank, Switz City....	\$75,315 43
370	Rosston Bank, Rosston.....	49,600 76	283	Bank of Tocsin, Tocsin.....	178,784 57
94	Bank of Rossville, Rossville....	286,903 18	287	Bank of Urbana, Urbana.....	37,572 51
213	Bank of Russellville, Russellville..	282,241 46	246	Citizens Bank, Wakarusa.....	115,304 09
365	Farmers Bank of Salamonina, Salamonina.....	126,607 10	72	Exchange Bank, Wakarusa.....	462,970 88
288	Renner's Bank, Sandborn.....	67,678 11	258	Farmers Bank, Wallace.....	91,707 54
352	Bank of San Pierre, San Pierre...	138,365 00	126	Exchange Bank, Warren.....	916,713 45
270	Amick's Bank, Scipio.....	78,720 93	37	Citizens Bank, Waterloo.....	291,726 75
297	Bank of Sedalia, Sedalia.....	127,515 56	365	Waverly Bank, Waverly.....	64,566 77
350	The Bank of Selma, Selma.....	121,886 16	*249	Farmers and Merchants Bank, Waynetown.....	96,906 10
229	The Sharpesville Bank, Sharpesville.....	441,846 87	*228	Central Bank, West Lebanon...	258,953 22
351	Citizens Bank, Southport.....	167,222 42	105	Farmers Bank, West Lebanon...	394,113 72
294	Greensfork Township Bank, Spartansburg, Lynn.....	157,075 17	261	Bank of Westville, Westville...	170,919 21
51	The Henry County Bank, Spiceland.....	360,022 52	195	Bank of Wheatfield, Wheatfield..	194,295 11
366	The Springport Bank, Springport	55,326 67	157	Farmers and Merchants Bank, Wheatland.....	123,702 47
332	Farmers Bank of St. Bernice, St. Bernice.....	184,381 06	362	Farmers Bank of Wyatt, Wyatt..	201,598 53
328	Tri-County Bank, Stilesville.....	81,547 95	369	Yeddo Bank, Yeddo.....	39,228 09
309	The Peoples Bank, Straughn.....	93,818 36	238	Bank of Yeoman, Yeoman.....	108,243 02
344	Peoples Bank, Sulphur Springs...	84,486 26	266	Yorktown Banking Co., Yorktown.....	219,894 83
341	The Sulphur Springs Bank, Sulphur Springs.....	122,447 35	74	Zanesville Bank, Zanesville.....	179,970 93
			82	Farmers Bank, Zionville.....	318,772 28
				TOTAL.....	\$30,913,323.63

RESOURCES OF SAVINGS BANKS

Peoples Savings Bank, Evansville....	\$6,566,554 87	St. Joseph County Savings Bank, South Bend.....	\$3,414,476 13
LaFayette Savings Bank, LaFayette...	3,065,911 23	Terre Haute Savings Bank, Terre Haute	3,296,294 76
La Porte Savings Bank, La Porte.....	2,146,075 65		
		TOTAL.....	\$18,489,312 64

RESOURCES OF TRUST COMPANIES

131	Commercial Bank & Trust Co., Alexandria.....	\$413,792 93	203	Union Trust Co., Crawfordsville	\$73,559 34
184	Peoples Trust Co., Alexandria....	243,617 20	6	The Danville Trust Co., Danville	115,241 42
15	Anderson Trust Co., Anderson....	1,486,947 08	165	The Peoples Loan and Trust Co., Decatur.....	544,203 35
129	Farmers Trust Co., Anderson.....	1,211,092 00	119	Carroll County Loan and Trust Co., Delphi.....	325,659 70
157	Madison County Trust Co., Anderson.....	370,920 02	210	Citizens Bank and Trust Co., Dugger.....	119,143 63
80	Angola Bank Trust Co., Angola....	720,234 10	105	First Calumet Trust and Savings Bank, East Chicago.....	1,152,831 00
116	First Trust and Savings Co., Argos.....	200,000 86	183	First Trust and Savings Co., East Chicago.....	270,137 35
23	The Citizens Trust Co., Bedford	573,261 39	84	The Elwood Trust Co., Elwood..	739,219 23
176	Bicknell Trust and Savings Co., Bicknell.....	274,902 92	63	American Trust and Savings Co., Evansville.....	2,970,420 65
148	Bloomfield Trust Co., Bloomfield	238,821 45	166	Citizens Trust and Savings Bank, Evansville.....	1,249,197 51
201	Farmers Bank and Trust Co., Bloomfield.....	357,427 88	193	Farmers Trust Co., Evansville...	475,845 55
22	Citizens Loan and Trust Co., Bloomington.....	1,450,827 03	117	Carroll County Loan, Trust and Savings Co., Flora.....	783,056 68
74	Union Savings and Trust Co., Bluffton.....	326,659 07	195	Bowser Loan and Trust Co., Ft. Wayne.....	500,227 06
164	Peoples Trust and Savings Bank, Boonville.....	798,778 66	16	Citizens Trust Co., Ft. Wayne..	2,925,787 47
11	The Brazil Trust Co., Brazil.....	1,348,681 30	212	Dime Savings and Trust Co., Ft. Wayne.....	738,593 57
122	Davis Trust Co., Brazil.....	514,574 52	190	Farmers Trust Co., Ft. Wayne..	1,507,658 91
167	Peoples Trust Co., Brookville....	731,529 03	121	The Lincoln Trust Co., Ft. Wayne	3,797,938 07
196	Brownstown Loan and Trust Co., Brownstown.....	273,616 40	47	The Peoples Trust and Savings Co., Ft. Wayne.....	3,391,877 85
114	Wayne Trust Co., Cambridge City.....	515,626 71	50	Tri-State Loan and Trust Co., Ft. Wayne.....	11,947,239 03
141	Peoples Bank and Trust Co., Clayton.....	190,228 79	189	Clinton County Bank and Trust Co., Frankfort.....	1,051,565 07
153	Clinton Trust Co., Clinton.....	906,321 50	177	Citizens Loan and Trust Co., Frankfort.....	522,160 60
86	The Farmers Loan and Trust Co., Columbus City.....	1,129,997 27	29	Frankfort Loan and Trust Co., Frankfort.....	756,007 31
18	The Provident Trust Co., Columbia City.....	759,028 00	142	Farmers Trust Co., Franklin...	592,123 99
216	Union Trust Co., Columbus.....	1,527,199 96	137	The Union Trust Co., Franklin..	200,851 82
34	Fayette Bank and Trust Co., Connersville.....	2,632,507 35	102	Garrett Savings, Loan and Trust Co., Garrett.....	263,855 72
213	Old Capital Bank and Trust Co., Corydon.....	430,893 48	208	Bankers Trust Co., Gary.....	217,846 98
53	The Fountain Trust Co., Covington.....	214,043 21	215	Commercial Trust Co., Gary...	191,607 93
13	The Crawfordsville Trust Co., Crawfordsville.....	821,035 74	111	Gary Trust and Savings Bank, Gary.....	1,347,037 11
133	Farmers, Merchants & Clements Trust Co., Crawfordsville....	954,851 95	112	South Side Trust and Savings Co., Gary.....	711,249 45

RESOURCES OF TRUST COMPANIES—Continued

147	State Trust and Savings Bank, Goodland.....	\$247,912 28	56	Madison Safe Deposit and Trust Co., Madison.....	\$2,472 330 06
26	Salem Bank and Trust Co., Goshen.....	2,514,887 03	202	Citizens Trust and Savings Co., Marion.....	715,505 00
24	The Central Trust Co., Greencastle.....	816,092 78	120	Farmers Trust and Savings Co., Marion.....	1,739,155 19
151	The Citizens Trust Co., Greencastle.....	325,127 39	35	Grant Trust and Savings Co., Marion.....	3,084,211 75
70	The Union Trust Co., Greensburg	509,553 97	136	Martinsville Trust Co., Martinsville.....	472,763 81
160	The Union Trust Co., Hagerstown.....	104,169 90	49	Michigan City Trust and Savings Bank, Michigan City.....	1,262,140 83
126	American Trust and Savings Bank, Hammond.....	808,775 69	66	First Trust and Savings Bank, Mishawaka.....	2,326,648 39
87	Hammond Trust and Savings Bank, Hammond.....	769,591 98	67	Mishawaka Trust and Savings Bank, Mishawaka.....	1,459,541 53
42	First Trust and Savings Bank, Hammond.....	2,285,435 53	83	North Side Trust and Savings Bank, Mishawaka.....	1,046,311 03
156	Northern Trust and Savings Bank, Hammond.....	283,979 31	69	White County Trust and Savings Co., Monticello.....	433,607 62
194	Standard Trust and Savings Bank, Hammond.....	354,977 10	209	Farmers Trust Co., Morgantown	76,171 13
143	American Trust and Savings Bank, Hobart.....	214,154 65	92	Peoples Bank and Trust Co., Mount Vernon.....	1,231,941 38
147	The Citizens Trust Co., Huntingburg.....	214,088 71	192	Merchants Trust and Savings Co., Muncie.....	1,997,506 06
128	The Farmers Trust Co., Huntington.....	441,159 74	99	Peoples Trust Co., Muncie.....	1,931,016 93
91	The Huntington Trust and Savings Bank, Huntington.....	927,558 50	218	Farmers Loan and Trust Co., Nappanee.....	37,441 45
132	Aetna Trust and Savings Co., Indianapolis.....	2,108,062 31	170	American Bank and Trust Co., New Albany.....	2,677,823 79
181	Bankers Trust Co., Indianapolis	2,792,900 43	62	Mutual Trust and Deposit Co., New Albany.....	1,349,888 43
187	City Trust Co., Indianapolis...	2,708,022 96	25	The New Albany Trust Co., New Albany.....	1,155,939 95
68	Farmers Trust Co., Indianapolis	2,132,639 53	44	Central Trust and Savings Co., Newcastle.....	860,205 55
108	Fidelity Trust Co., Indianapolis	2,219,008 66	205	New Harmony Bank and Trust Co., New Harmony.....	368,054 37
138	Fletcher Trust and Savings Co., Indianapolis.....	18,032,737 03	174	Noblesville Trust Co., Noblesville	120,372 97
1	The Indiana Trust Co., Indianapolis.....	18,419,289 57	30	Wainwright Trust Co., Noblesville.....	1,517,425 85
31	Security Trust Co., Indianapolis	3,053,163 21	154	Union Trust Company, North Manchester.....	388,986 54
163	State Savings and Trust Co., Indianapolis.....	3,686,062 88	115	Pendleton Trust Co., Pendleton.....	284,743 27
2	Union Trust Co., Indianapolis...	28,096,325 07	57	The Peru Trust Co., Peru.....	1,319,632 97
134	Washington Bank and Trust Co., Indianapolis.....	1,934,469 86	59	Wabash Valley Trust Co., Peru.....	1,663,744 09
110	Citizens Trust and Savings Co., Indiana Harbor.....	633,414 38	191	Peoples Loan and Trust Co., Petersburg.....	351,249 41
90	The Citizens Trust Co., Jeffersonville.....	1,355,347 02	93	Marshall County Trust and Savings Co., Plymouth.....	306,141 78
82	Kendallville Savings and Trust Co., Kendallville.....	196,849 48	125	Jay County Trust and Savings Co., Portland.....	330,944 71
178	American Trust Co., Kokomo...	1,119,548 31	61	Citizens Trust and Savings Co., Princeton.....	707,881 18
130	The Farmers Trust and Savings Bank, Kokomo.....	1,513,065 00	77	The Trust and Savings Bank, Rensselaer.....	707,177 28
41	Kokomo Trust Co., Kokomo...	2,287,475 65	10	Dickinson Trust Co., Richmond	3,743,225 06
197	Peoples Trust and Savings Bank, Kokomo.....	487,598 06	168	American Trust and Savings Bank, Richmond.....	856,209 69
179	Starke County Trust and Savings Bank, Knox.....	562,709 71	144	Farmers Trust Co., Rising Sun...	59,673 33
7	Lafayette Loan and Trust Co., Lafayette.....	2,972,698 89	75	United States Bank and Trust Co., Rochester.....	903,444 56
214	Peoples Loan and Trust Co., Lafayette.....	155,463 88	100	The Brown Trust Co., Rockport	793,910 53
33	Tipppecanoe Loan and Trust Co., Lafayette.....	1,163,794 27	124	Farmers Trust Co., Rushville...	166,911 25
185	Lagrange County Trust Co., Lagrange.....	289,897 87	109	The Peoples Loan and Trust Co., Rushville.....	686,454 39
186	Laporte Loan and Trust Co., Laporte.....	570,398 01	21	Jackson County Loan and Trust Co., Seymour.....	708,462 97
140	Peoples Trust and Savings Bank, Laporte.....	1,461,641 43	127	Shelbyville Trust Co., Shelbyville.....	719,851 27
12	Citizens Loan and Trust Co., Lebanon.....	643,817 49	172	The Security Trust Co., Shelbyville.....	485,564 50
78	Farmers and Merchants Trust Co., Ligonier.....	573,044 49	60	American Trust Co., South Bend	4,864,277 55
71	Linton Trust Co., Linton.....	490,508 60	28	Citizens Trust and Savings Bank, South Bend.....	3,681,127 35
206	Peoples Trust Co., Linton.....	380,133 43	180	Farmers Trust Co., South Bend...	1,451,519 76
173	The Citizens Loan and Trust Co., Logansport.....	478,741 41	217	Indiana Trust Co., South Bend...	269,511 35
36	The Logansport Loan and Trust Co., Logansport.....	161,443 44	27	St. Joseph Loan and Trust Co., South Bend.....	7,780,000 05
211	Lyons Bank and Trust Co., Lyons.....	1,167,968 82	101	Union Trust Co., South Bend...	2,650,456 80
			55	Citizens Trust Co., Sullivan...	359,503 72
			149	Summitville Bank and Trust Co., Summitville.....	361,307 01

RESOURCES OF TRUST COMPANIES—Continued

88	Citizens Trust Co., Terre Haute.	\$2,176,193 85	150	Citizens Savings and Trust Co., Wabash.....	\$619,446 94
4	The Terre Haute Trust Co., Terre Haute.....	8,528,717 31	95	Wabash County Loan and Trust Co., Wabash.....	1,027,463 88
45	United States Trust Co., Terre Haute.....	6,419,498 06	17	Indiana Loan and Trust Co., Warsaw.....	1,361,407 21
79	Farmers Loan and Trust Co., Tipton.....	1,016,731 68	40	The Citizens Loan and Trust Co., Washington.....	478,982 98
107	Union Loan and Trust Co., Union City.....	589,332 33	204	American Trust and Savings Bank, Whiting.....	437,518 87
200	Citizens Savings and Trust Co., Valparaiso.....	402,459 78	169	First Trust and Savings Bank, Whiting.....	461,979 63
73	The First Trust Co., Valparaiso.	586,328 76	32	Peoples Loan and Trust Co., Winchester.....	557,173 21
52	The Thrift Trust Co., Valparaiso	628,076 77	188	Union Bank and Trust Co., Winamac.....	501,517 46
155	Farmers Trust Co., Van Buren..	173,682 00	198	Worthington Trust Co., Worth- ington.....	293,757 68
37	The Citizens Trust Co., Vincennes	327,859 66			
162	Knox Bank and Trust Co., Vin- cennes.....	639,034 54			
207	Harrison Bank and Trust Co., Vincennes.....	447,204 74			
TOTAL.....					\$269,396,724 54

REPORT OF BUILDING AND LOAN DEPARTMENT

OFFICERS AND EMPLOYES

CHARLES W. CAMP, Bank Commissioner.

JAMES H. TOMLIN, Clerk of Building and Loan Department.

HENRY HOCH, Examiner.

CHARLES F. HARPER, Examiner.

VICTOR D. MOCK, Examiner.

HELEN JOHNSON, Stenographer.

PROGRESS OF ASSOCIATIONS

Sixteen new associations were organized during the year and thirty-six associations increased their capital stock.

The associations of the state increased in assets during the nine months from December 31, 1921, to September 30, 1922, \$12,910,903.37.

They increased \$56,050,000 in capitalization during the fiscal year.

The work of building and loan associations, as shown by reports of the last calendar year, is represented by the building of two thousand nine hundred forty-seven homes; the improvement of three thousand four hundred three homes, and the buying of six thousand nine hundred seventy-six homes.

BUILDING AND LOAN LAWS

There should be a careful revision and codification of the building and loan laws, and we call special attention to fees charged for examinations. The fees are entirely too high in the large associations and too low in the small associations. The fees should be adjusted and in the aggregate they should be lowered considerably. This may be done and the fees will still be ample to cover all expenses of the building and loan department.

THE FOLLOWING ASSOCIATIONS ARE IN LIQUIDATION:

Home Building and Loan Association, Wingate.

Enterprise Building and Loan Association, Terre Haute.

West Terre Haute Savings, Loan and Building Association, West Terre Haute.

The Wayne International Building and Loan Association, Richmond.
 Harbor Building and Loan Association, East Chicago.
 Citizens Building and Loan Association, Brazil.
 Union Building and Loan Association, Crothersville.
 Elberfeld Building Loan and Savings Association, Elberfeld.

ASSOCIATIONS INCORPORATED OCTOBER 1, 1921, TO OCTOBER 1, 1922

Name of Association and Location	Authorized Capital
Monon Building Loan and Savings Association, Monon.....	\$100,000
Chesterton Rural Loan and Savings Association, Chesterton.....	100,000
A. J. Huber Savings and Loan Association, Indianapolis.....	1,000,000
Prudential Savings and Loan Association, Indianapolis.....	100,000
United States Building and Loan Association, Indiana Harbor.....	50,000
South Whitley Building and Loan Association, South Whitley.....	50,000
Ferdinand Building and Savings Association, Ferdinand.....	200,000
National Building and Loan Association, Hammond.....	200,000
La Salle Building and Loan Association, South Bend.....	600,000
Peoples Mutual Loan and Savings Association, Hammond.....	250,000
Terre Haute Savings and Loan Association, Terre Haute.....	1,000,000
Berne Savings and Loan Association, Berne.....	200,000
Purdue Building and Loan Association, West Lafayette.....	1,000,000
Peoples Building, Savings and Loan Association, Oolitic.....	100,000
Lincoln Building and Loan Association, South Bend.....	500,000
Oil City Savings and Loan Association, Whiting.....	250,000
Total	\$5,700,000

INCREASE IN CAPITAL STOCK OCTOBER 1, 1921, TO OCTOBER 1, 1922

First Rural Loan and Savings Company, Muncie.....	\$2,000,000
Home Building and Loan Association, Hammond.....	2,000,000
West Side Building and Loan Association, Evansville	900,000
Railroadmen's Building and Loan Association, Indianapolis.....	30,000,000
First Rural Loan and Savings Association, Lebanon.....	1,000,000
Colonial Savings and Loan Association, Indianapolis.....	1,000,000
Citizens Savings and Loan Association, Terre Haute.....	1,000,000
Fidelity Savings and Loan Association, Evansville.....	1,000,000
Hub Savings and Loan Association, Veedersburg.....	100,000
Mooresville Building Savings and Loan Association, Mooresville.....	150,000
Peoples Building and Loan Association, Tell City.....	250,000
Scott County Building and Loan Association, Scottsburg.....	100,000
Union Savings Association, Terre Haute.....	2,000,000
Valparaiso Building Loan Fund and Savings Association, Valparaiso.....	1,000,000
Citizens Savings and Loan Association, Batesville.....	200,000
Celtic Savings and Loan Association, Indianapolis.....	2,000,000
Fletcher Avenue Savings and Loan Association, Indianapolis.....	4,000,000
Kentland Building and Loan Association, Kentland.....	250,000
River Park Building Loan and Savings Association, South Bend.....	850,000
Madison Building and Aid Association, Madison.....	250,000
Peru Building and Loan Association, Peru.....	500,000
West End Building and Loan Association, Richmond.....	100,000
Permanent Savings and Loan Association, Batesville.....	100,000
Union Savings and Loan Association, Washington.....	500,000
Crown Point Building Loan and Savings Association, Crown Point.....	500,000
Franklin Loan and Savings Association, Boonville.....	500,000
Mutual Building and Loan Association, Gary.....	750,000
Permanent Loan and Savings Association, Evansville.....	1,000,000
Frankton Building and Loan Association, Frankton.....	100,000
Virginia Avenue Building and Loan Association, Indianapolis.....	100,000
Central Loan Association, Terre Haute	1,000,000
Tipton Building and Loan Association, Tipton.....	300,000

Name of Association and Location	Authorized Capital
Greencastle Savings and Loan Association, Greencastle.....	300,000
Greensburg Building and Loan Association, Greensburg.....	250,000
Total	\$56,050,000

Four associations closed up their business during the year and three associations went into liquidation.

FINANCIAL STATEMENT FOR FISCAL YEAR ENDING SEPTEMBER 30, 1922

RECEIPTS

Examination fees	\$19,338 00
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DISBURSEMENTS

Salaries of clerk, examiners and stenographer.....	\$9,700 00
Traveling expenses of clerk and examiners.....	3,171 52
Total	12,871 52
Gain to state over expenses	\$6,466 48

EXAMINATION FEES

(S. B. 421, Approved March 7, 1917. In effect May 31, 1917)

Associations of less than \$25,000 assets	\$10 00
Associations of over \$25,000 and less than \$50,000 assets	15 00
Associations of over \$50,000 and less than \$100,000	20 00
For each additional \$100,000 of assets or fractional part thereof	12 00

CONSOLIDATED STATEMENT SHOWING IN DETAIL THE VARIOUS ITEMS OF ASSETS AND LIABILITIES OF ALL THE BUILDING AND LOAN ASSOCIATIONS OF INDIANA AS OF DECEMBER 31, 1921

ASSETS

Cash on hand December 31, 1921	\$3,742,749 68
Loans on mortgage security	110,051,712 90
Loans on stock or passbook security	1,470,173 36
Loans on other security	1,333,735 13
Furniture and fixtures	122,199 93
Real estate—book value	841,091 57
Real estate sold on contract	1,321,410 02
Sheriff's certificates and judgments	36,976 43
Due for insurance and taxes	28,993 29
Bonds	2,199,004 99
Miscellaneous	447,333 05
Total	\$121,595,380 35

LIABILITIES

Dues and dividends on running stock	\$92,511,370 85
Paid-up and prepaid stocks and dividends	17,327,411 97
Matured stock	2,020,322 90
Fund for contingent losses	2,738,903 19
Undivided profits	1,378,104 29
Borrowed money	3,728,974 61
Dividends unpaid	408,263 18
Due on loans	900,204 40
Miscellaneous	581,824 96
Total	\$121,595,380 35

STATISTICAL INFORMATION

1. Assets of all associations September 30, 1922.....	\$134,506,283 72
2. Increase in assets of all associations from December 31, 1921, to September 30, 1922	12,910,903 37
3. Amount of capital stock subscribed and in force September 30, 1922.	278,324,911 00
4. Increase of capital stock subscribed and in force from December 31, 1921, to September 30, 1922	13,295,219 00
5. Amount of authorized capital stock September 30, 1922	413,575,000 00
6. Increase in authorized capital stock from December 31, 1921, to September 30, 1922	38,300,000 00
7. Mortgage loans in force December 31, 1921	110,051,712 90
8. Increase in mortgage loans in 1921 over 1920	13,984,397 06
9. Passbook loans in force December 31, 1921	1,470,173 36
10. Decrease in passbook loans in 1921 over 1920	71,328 19
11. Total expenses of all associations for year ending December 31, 1921.	919,101 44
12. Increase in expenses of 1921 over 1920	111,933 87
13. Average cost of conducting the business of all associations of the state based on assets for year 1921	$\frac{3}{4}$ of 1%
14. Number of homes built through associations in 1921	2,947
15. Number of homes improved through associations in 1921.....	3,403
16. Number of homes bought through associations in 1921.....	6,976
17. Total number of associations September 30, 1922.....	372
18. Total number of borrowing members December 31, 1921.....	83,328
19. Total number of investing members December 31, 1921.....	162,655
20. Total membership December 31, 1921.....	245,983
21. Total number of shares of stock in force December 31, 1921.....	2,544,847

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES, TOGETHER WITH LOCATION, DATE OF ORGANIZATION, ASSETS, AMOUNT OF STOCK IN FORCE, AND CAPITALIZATION, AS OF SEPTEMBER 30, 1922.

Location	Name	Date	Assets	Stock in Force	Capitalization
Berne.....	<i>Adams County</i> Berne Savings and Loan Association.....	July, 1922	\$230 00	\$23,000	\$200,000
Fort Wayne.....	<i>Allen County</i> Home Loan and Savings Association..... Prudential Building and Loan Association.....	Mar. 1893 Dec., 1919	466,016 31 61,970 15	890,200 214,400	1,000,000 1,000,000
Hartford City.....	<i>Blackford County</i> Rural Loan and Savings Association.....	Dec., 1919	58,512 56	54,584	1,000,000
Columbus.....	<i>Bartholomew County</i> Citizens Building and Loan Association..... The Bartholomew Building and Loan Association..... Hope Building, Savings and Loan Association.....	Oct., 1890 June, 1912 May, 1891	222,848 00 65,534 35 81,010 53	799,000 172,500 136,400	1,000,000 100,000 150,000
Hope.....	<i>Benton County</i> The Oxford Building and Loan Association..... Otterbein Building and Loan Association.....	July, 1894 May, 1908	97,781 25 30,187 98	86,859 27,459	200,000 200,000
Oxford.....	<i>Boone County</i> Lebanon Rural Credit Savings and Loan Association..... First Rural Loan and Savings Association..... Thorn town Savings and Loan Association..... Zionsville Building and Loan Association.....	May, 1917 Nov. 1913 April, 1916 April, 1890	80,604 70 1,003,535 09 6,291 63 73,844 35	93,000 1,435,000 19,100 90,409	1,000,000 2,000,000 100,000 100,000
Lebanon.....	<i>Carroll County</i> The Peoples Building and Loan Association.....	May, 1905	60,976 22	169,950	250,000
Delphi.....	<i>Clark County</i> Mutual Savings and Loan Association No. 4.....	Dec., 1888	72,379 63	230,300	1,000,000
Jeffersonville.....					

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
Brazil.....	<i>Clay County</i>				
Clay City.....	*Citizens Building and Loan Association.....	Mar., 1891	\$24,966 60	\$19,656	\$1,000,000
	Clay County Building and Loan Association.....	Aug., 1887	215,197 12	144,250	500,000
	The Reliable Building and Loan Association.....	April, 1890	15,801 58	29,100	100,000
Colfax.....	<i>Clinton County</i>				
Frankfort.....	The Home Building and Loan Association.....	Sept., 1909	25,532 72	75,800	150,000
	Citizens Building and Loan Association.....	June, 1916	546,189 40	1,402,000	2,000,000
	Clover Leaf Building and Loan Association.....	Aug., 1897	13,713 39	20,900	200,000
Montgomery.....	<i>Daviess County</i>				
Washington.....	The Montgomery and Farmers Building and Loan Association.....	May, 1887	11,700 00	* 10,610	100,000
	The Industrial Savings and Loan Association.....	Jan., 1884	328,010 44	799,200	1,000,000
	Home Building and Loan Association.....	July, 1908	595,844 01	1,365,800	1,500,000
	Union Savings and Loan Association.....	Feb., 1895	1,681,387 71	4,261,200	4,750,000
Aurora.....	<i>Dearborn County</i>				
Lawrenceburg.....	The Peoples Building and Loan Association.....	Oct., 1887	717,863 58	1,985,350	2,000,000
	Union Building Loan Fund and Savings Association.....	Oct., 1885	27,136 29	51,000	600,000
	Dearborn County Loan and Building Association.....	April, 1891	224,903 72	1,280,800	1,500,000
	Perpetual Building Association.....	Aug., 1894	181,947 90	169,652	1,000,000
Moores Hill.....	Progressive Building and Loan Association.....	April, 1914	185,127 94	1,306,800	1,500,000
	The Moores Hill Building and Loan Association.....	Feb., 1890	15,288 78	38,200	100,000
Greensburg.....	<i>Declar County</i>				
St. Paul.....	The Greensburg Building and Loan Association.....	Mar., 1896	329,424 10	578,200	750,000
	Workmen's Building and Loan Association.....	April, 1883	149,028 30	316,750	500,000
	St. Paul Building Association.....	Feb., 1886	67,905 81	62,681	150,000
Auburn.....	<i>DeKalb County</i>				
Garrett.....	Auburn Building and Loan Association.....	April, 1909	44,792 43	31,765	100,000
	DeKalb County Building and Loan Association.....	Feb., 1893	20,929 30	32,400	500,000

<i>Delaware County</i>					
Muncie.....	The Mutual Home and Savings Association.....	Aug., 1889	1, 872, 471 17	3, 671, 200	4, 500, 000
	The Peoples Home and Savings Association.....	Aug., 1895	1, 279, 978 62	2, 383, 800	3, 000, 000
	The Muncie Savings and Loan Company.....	April, 1889	1, 422, 389 00	3, 026, 800	5, 000, 000
	First Rural Loan and Savings Company.....	Nov., 1920	440, 000 00	917, 400	2, 500, 000
<i>Dubois County</i>					
Ferdinand.....	Ferdinand Building and Savings Association.....	Feb., 1922	.....	.....	\$200, 000
Huntingburg.....	Citizens Building and Loan Association.....	Feb., 1917	\$37, 251 37	\$75, 200	100, 000
Jasper.....	Huntingburg Perpetual Building and Loan Association.....	Mar., 1912	65, 262 80	170, 100	250, 000
	Jasper Building and Loan Association.....	July, 1911	157, 024 84	445, 400	1, 000, 000
	Phoenix Loan Association.....	Mar., 1890	73, 202 12	205, 600	700, 000
<i>Elkhart County</i>					
Nappanee.....	Citizens Building and Loan Association.....	May, 1886	9, 758 80	50, 000	250, 000
<i>Fayette County</i>					
Connersville.....	Fayette Savings and Loan Association.....	May, 1887	615, 839 17	1, 320 000	2, 000, 000
	Connersville Building and Loan Association.....	April, 1902	161, 289 63	244, 800	500, 000
	Home Loan Association.....	Dec., 1902	916, 050 20	853, 029	2, 000, 000
<i>Floyd County</i>					
New Albany.....	Union Savings Association.....	May, 1902	60, 843 12	169, 000	250, 000
<i>Fountain County</i>					
Attica.....	The Attica Building and Loan Association.....	Mar., 1883	924, 927 84	1, 908, 400	2, 000, 000
Covington.....	Covington Building and Loan Association.....	Nov., 1886	67, 847 12	210, 800	500, 000
Hillsboro.....	Hillsboro Building and Loan Association.....	Feb., 1890	13, 164 20	26, 300	250, 000
Newtown.....	Newtown Building and Loan Association.....	Dec., 1890	340, 000 00	824, 000	200, 000
Mellott.....	Peoples Building and Loan Association.....	July, 1888	22, 107 63	62, 000	200, 000
Veedsburg.....	Hub Savings and Loan Association.....	Nov., 1916	126, 272 06	250, 200	300, 000
	Veedsburg Building and Loan Association.....	Jan., 1888	204, 229 92	458, 000	500, 000
<i>Franklin County</i>					
Brookville.....	The Citizens Building, Loan and Savings Association.....	July, 1893	145, 953 62	432, 200	500, 000
Oldenburg.....	The Franklin Building and Loan Association.....	Aug., 1888	11, 981 03	112, 000	200, 000
	Division No. 2.....				

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
	<i>Gibson County</i>				
Francisco	Francisco Building and Loan Association.....	Mar., 1918	20,591 03	32,500	100,000
Fort Branch	Fort Branch Building and Loan Association No. 8.....	Dec., 1912	40,363 22	125,300	150,000
Hazleton	Hazleton Building and Loan Association.....	Mar., 1912	17,503 11	26,700	50,000
Hartstade	Citizens Building and Loan Association.....	Mar., 1895	37,703 73	60,300	250,000
Oakland City	Home Economy Building and Loan Association.....	June, 1896	79,733 01	254,300	200,000
	The Peoples State Building and Loan Association.....	April, 1896	84,012 96	63,772	250,000
Owensville	Owensville Building and Loan Association.....	April, 1899	24,436 82	89,100	100,000
	Mutual Building Loan and Savings Association.....	Dec., 1888	33,057 46	105,800	200,000
Princeton	The Gibson County Perpetual Building and Loan Association.....	June, 1885	\$301,435 20	\$639,985	\$1,000,000
	People's Building, Loan and Savings Association.....	July, 1908	151,324 96	3,000,000	500,000
Linton	Community Savings and Loan Association.....	Dec., 1920	17,975 78	87,000	200,000
Somerville	Somerville Building and Loan Association.....	Dec., 1920	11,637 86	42,900	50,000
	<i>Grant County</i>				
Marion	Marion Building and Loan Association.....	May, 1915	459,653 07	730,250	1,000,000
	<i>Greene County</i>				
Bloomfield	Bloomfield Building, Savings and Loan Association.....	Oct., 1885	124,345 00	243,100	500,000
	The Farmers and Mechanics Mutual Building, Loan and Savings Association.....	April, 1892	368,144 14	309,608	1,000,000
Jasonville	Southern Indiana Mutual Building, Savings and Loan Association.....	Feb., 1893	685,763 23	316,987	1,750,000
Linton	Jasonville Building, Savings and Loan Association.....	Jan., 1911	11,775 76	36,800	100,000
Worthington	Home Loan and Savings Association.....	Feb., 1901	309,193 13	552,100	500,000
	Building, Savings and Loan Association.....	Oct., 1899	99,524 89	214,300	500,000
	<i>Hamilton County</i>				
Noblesville	Indiana Loan Association.....	Feb., 1896	203,529 68	415,200	500,000
	<i>Hancock County</i>				
Greenfield	The Greenfield Building and Loan Association.....	July, 1883	90,513 60	169,950	1,000,000
	<i>Harrison County</i>				
orydon	Savings and Loan Association.....	Jan. 1891	118,697 12	240,800	1,000,000

<i>Hendricks County</i>					
Danville.....	Citizens Buildg. Loan Fund and Savings Association.....	May, 1883	32,963 04	81,600	100,000
Plainfield.....	Danville Building and Loan Association.....	June, 1919	6,053 52	3,371	500,000
	Plainfield Building and Loan Association.....	Dec., 1896	176,406 51	243,000	500,000
<i>Henry County</i>					
Newcastle.....	American Savings and Loan Association.....	Dec., 1919	30,192 37	28,899	1,000,000
	Henry County Building and Loan Association.....	Mar., 1890	849,079 11	1,500,000	2,500,000
<i>Howard County</i>					
Kokomo.....	Kokomo Building and Loan Association.....	Feb., 1919	16,132 44	91,700	1,000,000
<i>Huntington County</i>					
Andrews.....	Andrews Perpetual Building and Loan Association.....	April, 1915	8,981 62	7,715	1,000,000
Huntington.....	College Park Building and Loan Association.....	Jan., 1917	9,080 74	4,770	15,000
	Home Savings and Loan Association.....	April, 1912	835,684 47	1,667,400	1,250,000
<i>Jackson County</i>					
Crothersville.....	Crothersville Savings and Loan Association.....	May, 1916	18,514 47	29,000	100,000
	*Union Building and Loan Association.....	April 1, 1906	4,200 88	6,600	200,000
Medora.....	Medora Building, Loan and Savings Association.....	Mar., 1910	22,356 07	42,700	100,000
Seymour.....	Co-operative Building and Loan Association.....	Dec., 1891	223,853 76	458,900	750,000
	The Home Building Association.....	Oct., 1894	33,000 00	15,239	180,000
	New Building and Loan Association.....	Sept., 1908	194,427 14	443,600	600,000
<i>Jasper County</i>					
Rensselaer.....	Rensselaer Building, Loan and Savings Association.....	Dec., 1915	126,702 28	89,851	500,000
<i>Jefferson County</i>					
Madison.....	Citizens Building Association, No. 3.....	June, 1894	78,087 35	253,800	300,000
	German Building and Aid Association, No. 6.....	Aug., 1885	108,747 96	344,350	500,000
	The Home Building Association, No. 5.....	Sept., 1873	124,059 28	371,000	1,000,000
	Madison Building and Aid Association, No. 8.....	July, 1875	117,686 13	113,569	750,000
	Mite Building and Loan Association, No. 1.....	Sept., 1881	68,181 59	67,708	500,000
<i>Jennings County</i>					
North Vernon.....	Citizens Building and Loan Association, No. 7.....	June, 1892	58,595 00	96,800	100,000
Vernon.....	North Vernon Building and Savings Association.....	Mar., 1893	56,249 99	58,000	200,000
	Jennings Building and Loan Association.....	Jan., 1897	25,881 56	65,900	110,000

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
	<i>Johnson County</i>				
Bargersville.....	Bargersville Building and Loan Association.....	April, 1913	16,915 42	32,700	100,000
Edinburg.....	Blue River Building and Loan Association.....	July, 1911	54,902 99	140,800	200,000
Franklin.....	Franklin Building and Loan Association.....	Feb., 1895	145,506 80	429,500	1,000,000
	Mutual Building and Loan Association.....	Feb., 1890	187,090 63	435,568	1,000,000
Greenwood.....	Citizens Savings and Loan Association.....	Feb., 1917	18,542 04	38,900	100,000
	Greenwood Building and Loan Association.....	Jan., 1889	209,827 85	240,800	600,000
Whiteland.....	Home Building and Loan Association.....	June, 1911	13,658 79	35,400	100,000
	<i>Knox County</i>				
Bicknell.....	American Building and Loan Association.....	Aug., 1919	101,775 45	155,700	500,000
	Bicknell Building and Loan Association.....	Feb., 1896	778,236 54	1,236,000	1,500,000
	Citizens Building and Loan Association.....	May, 1910	296,149 69	258,387	500,000
Vincennes.....	Home Building and Loan Association.....	Jan., 1893	812,236 46	1,408,800	1,500,000
	Knox Building, Loan Fund and Savings Association.....	Sept., 1883	217,044 83	555,200	1,000,000
	North Side Building and Loan Association.....	Feb., 1905	333,694 18	654,680	1,000,000
	The Peoples Savings, Loan and Building Association.....	June, 1889	2,360,055 92	4,546,650	5,000,000
	Vincennes Savings and Loan Association.....	Dec., 1890	1,190,282 85	2,861,200	3,000,000
	<i>Kosciusko County</i>				
Pierceton.....	Pierceton Savings and Loan Association.....	Mar., 1921	2,500 00	15,900	50,000
Warsaw.....	Warsaw Building, Loan and Savings Association.....	Nov., 1913	104,811 25	243,150	500,000
	<i>Lake County</i>				
Crown Point.....	Crown Point Building, Loan and Savings Association.....	Feb., 1913	139,632 43	514,200	1,000,000
East Chicago.....	East Chicago Building, Loan and Savings Association.....	Feb., 1920	53,337 87	116,600	250,000
	American Building, Loan and Savings Association.....	Oct., 1920	28,084 77	128,700	100,000
	First Polish National Building and Loan Association.....	Feb., 1910	549,216 98	840,000	2,000,000
	Harbor Building and Loan Association.....	Mar., 1917	1,076 85	17,300	100,000
	Twin City Savings and Loan Association.....	Sept., 1914	317,953 42	278,181	1,000,000
Gary.....	Albert Wachowski Savings and Loan Association.....	May, 1911	101,497 94	198,000	500,000
	"America" Savings and Loan Association.....	Oct., 1915	56,698 32	56,698	1,000,000
	American-Russian National Building and Loan Association.....	July, 1919	86,661 63	226,300	500,000
	Mid-City Building and Loan Association.....	April, 1919	66,965 14	254,900	1,000,000
	Federal Savings and Loan Association.....	April, 1919	121,267 84	200,000	1,000,000
	Home Building and Loan Association.....	Mar., 1918	28,791 84	228,000	2,250,000

Griffith.....	Jan., 1916	171,845 08	326,900	2,000,000
Hammond.....	July, 1915	117,048 92	249,025	200,000
	Sept., 1913	19,982 72	51,600	250,000
	April, 1921	4,081 66	24,000	100,000
	May, 1910	447,700 25	1,290,900	2,000,000
	April, 1910	222,101 65	4,570,300	1,500,000
	First Polish Building, Loan and Savings Association.....	1,701,378 85	4,131,100	5,000,000
	Hammond Building, Loan and Savings Association.....	1,387,265 41	2,982,100	2,000,000
	Home Building, Loan and Savings Association.....	1,387,265 41	2,279,400	2,000,000
	Mutual Savings and Loan Association.....	1,222,403 70	170,000	500,000
	Peoples Building, Loan and Savings Association.....	30,808 81	.....	200,000
	National Building and Loan Association.....	.....	.....	250,000
	Peoples Mutual Loan and Savings Association.....	.....	.....	500,000
	National Savings and Loan Association.....	59,539 87	194,500	500,000
	Sobieski Building, Loan and Savings Association.....	191,237 70	442,400	200,000
	State Building and Loan Association.....	220,197 92	531,700	1,000,00
	Oil City Savings and Loan Association.....	.....	.....	50,000
	United States Building and Loan Association.....	.....	.....	250,000
	Whiting Savings and Loan Association.....	311,339 00	650,100	1,000,000
	International Savings and Loan Association.....	25,906 42	84,000	500,000
<i>Laporte County</i>				
	Sept., 1907	5,607 24	4,650	\$100,000
Michigan City.....	April, 1914	295,808 99	257,097	750,000
	May, 1920	46,484 18	245,500	250,000
	Sept., 1895	404,098 54	749,300	1,000,000
Laporte.....	April, 1892	48,031 60	47,020	200,000
<i>Lawrence County</i>				
	Mar., 1913	12,851 31	41,300	200,000
Bedford.....	Feb., 1881	52,129 95	40,007	200,000
Ooltie.....	Aug., 1922	.....	.....	100,000
<i>Madison County</i>				
	May, 1917	30,888 36	109,300	250,000
Alexandria.....	Dec., 1888	5,102,812 35	12,083,100	12,000,000
Anderson.....	June, 1914	60,892 06	89,000	130,000
Elwood.....	Frankton, 1893	120,244 53	111,208	300,000
Frankton.....	Mar., 1891	123,348 88	317,100	300,000
Pendleton.....				

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	Name	Date	Assets	Stock in Force	Capitalization
Beech Grove, Indianapolis.	<i>Marion County</i>				
	Beech Grove Savings and Loan Association.....	Aug., 1909	8,385 15	12,350	50,000
	Aetna Savings and Loan Association.....	Nov., 1887	9,304 62	8,782	1,500,000
	Advance Savings and Loan Association.....	Mar., 1888	140,262 00	327,900	1,000,000
	Anchor Savings and Loan Association.....	Mar., 1912	27,656 92	87,000	200,000
	The Arsenal Building and Loan Association.....	May, 1885	1,454,885 02	2,900,000	4,000,000
	Ashland Savings and Loan Association.....	Feb., 1915	39,001 25	37,687	200,000
	Atkins Savings and Loan Association.....	April, 1908	617,995 14	1,424,600	1,500,000
	Celtic Savings and Loan Association.....	May, 1874	6,254,143 05	10,503,690	12,000,000
	Colonial Savings and Loan Association.....	July, 1913	543,667 99	990,000	2,000,000
	Co-operative Savings and Loan Association.....	Oct., 1913	391,100 00	991,000	1,000,000
	Columbian Savings and Loan Association.....	April, 1913	74,238 23	128,000	250,000
	Dime Savings and Loan Association.....	Mar., 1887	29,687 71	76,650	100,000
	Downey Street Savings and Loan Association.....	Jan., 1917	44,268 01	43,199	100,000
	East End Savings and Loan Association.....	May, 1896	33,905 27	81,200	100,000
	Fletcher Avenue Savings and Loan Association.....	Aug., 1890	3,101,373 93	6,092,100	8,000,000
	Garfield Park Building and Loan Association.....	May, 1891	104,361 39	325,300	1,000,000
	The Home Building and Loan Association.....	July, 1894	233,000 00	280,000	1,300,000
	Irvinton Savings and Loan Association.....	Mar., 1912	28,278 71	78,900	200,000
	A. J. Hueter Savings and Loan Association.....	Nov., 1921	70,074 94	196,800	1,000,000
	Home Builders Savings and Loan Association.....	May, 1891	315,547 40	717,700	1,000,000
	Hoosier Savings and Loan Association.....	July, 1884	65,573 79	163,000	1,000,000
	Ideal Society for Savings Association.....	July, 1896	95,384 44	72,100	200,000
	The Indiana Savings and Investment Company.....	Feb., 1889	1,560,510 72	2,747,050	3,000,000
	Indiana Savings and Loan Association, No. 6.....	July, 1920	37,559 87	191,400	200,000
	Indiana Building and Loan Association.....	Sept., 1887	412,412 27	514,200	500,000
	Keystone Savings and Loan Association.....	Sept., 1911	13,483 66	41,700	100,000
	Lincoln Highway Savings and Loan Association.....	July, 1916	27,158 99	76,100	100,000
	Madison Avenue Savings and Loan Association, No. 12.....	Nov., 1916	69,670 18	77,000	200,000
	Madison Avenue Savings and Loan Association, No. 13.....	May, 1919	37,069 80	36,232	100,000
	Merit Savings and Loan Association.....	July, 1906	105,737 53	253,800	500,000
	Monument Savings and Loan Association.....	July, 1909	263,997 44	685,600	1,000,000
	New Progress Building Association.....	Sept., 1896	55,086 50	125,100	200,000
	The New Shelby Street Building and Loan Association.....	Aug., 1892	102,276 17	201,000	500,000
	Occidental Savings and Loan Association.....	Sept., 1886	91,532 03	182,700	1,000,000
	Peoples Mutual Savings and Loan Association.....	Sept., 1895	1,282,338 30	2,201,595	3,000,000
	Plymouth Savings and Loan Association.....	Nov., 1886	614,568 82	1,328,000	2,500,000
	Prospect Savings and Loan Association.....	June, 1885	39,398 48	132,700	500,000
	Provident Building and Loan Association.....	May, 1911	295,517 70	400,000	500,000

Prudential Savings and Loan Association.....	Nov., 1921	1,828 53	1,755	100,000
The Railroadmen's Building and Savings Association.....	Aug., 1887	26,222,625 94	60,114,000	75,000,000
The Riverside Savings and Loan Association.....	Aug., 1910	23,051 93	79,400	100,000
Raymond Park Savings and Loan Association.....	Feb., 1919	36,129 60	90,200	100,000
Russell Avenue Savings and Loan Association.....	May, 1919	69,070 69	143,800	300,000
South Park Savings and Loan Association.....	Mar., 1910	99,974 79	214,200	500,000
Southeastern Savings and Loan Association.....	April, 1889	162,917 63	348,200	1,000,000
Standard Savings and Loan Association.....	June, 1887	128,812 24	302,100	200,000
Security Savings and Loan Association.....	Oct., 1887	128,586 48	340,200	1,000,000
Turner Building and Savings Association.....	Oct., 1883	587,963 76	1,020,200	1,000,000
Unity Savings and Loan Association.....	Jan., 1920	3,399 13	14,000	200,000
Union National Savings and Loan Association.....	Feb., 1891	2,225,291 19	3,277,500	5,000,000
Virginia Avenue Building and Loan Association.....	Jan., 1893	52,220 44	1,118,300	200,000
Western Savings and Loan Association.....	Dec., 1884	196,965 43	576,400	1,000,000
West Indianapolis Savings and Loan Association, No. 2.....	Mar., 1896	139,038 50	375,000	500,000
<i>Martin County</i>				
The Citizens Building and Loan Association.....	Oct., 1902	104,937 78	300,040	500,000
Loggotee Building and Loan Association.....	Dec., 1886	19,285 99	13,176	200,000
<i>Marshall County</i>				
Marshall County Building and Loan Association.....	Aug., 1920	14,532 25	22,550	100,000
Plymouth Building and Loan Association.....	July, 1920	2,817 54	38,300	100,000
<i>Miami County</i>				
Home Savings and Loan Association.....	June, 1911	839,437 74	821,077	2,200,000
The Peru Building and Loan Association.....	Jan., 1886	1,077,127 41	2,423,600	3,000,000
<i>Monroe County</i>				
Bloomington National Savings and Loan Association.....	Nov., 1893	332,627 78	375,000	400,000
Mutual Building and Loan Association.....	Aug., 1908	344,492 37	479,556	600,000
The Workmen's Building, Loan Fund and Savings Association.....	April, 1885	605,167 17	1,186,500	1,500,000
<i>Montgomery County</i>				
The Crawfordsville Building, Loan Fund and Savings Association.....	June, 1882	87,379 84	283,006	500,000
The Hoosier State Building Association.....	Aug., 1894	4,634 72	4,000	500,000
The Montgomery Savings Association.....	July, 1888	200,733 59	493,650	1,000,000
Union Savings and Loan Association.....	Mar., 1913	206,841 25	405,300	1,000,000
Home Building, Loan Fund and Savings Association.....	Dec., 1893	65,725 00	171,000	200,000
The Ladoga Building, Loan Fund and Savings Association.....	May, 1884	705,618 73	642,025	2,000,000
New Richmond Building, Loan Fund and Savings Association.....	Nov., 1899	32,164 28	83,400	150,000
*The Home Building and Loan Association.....	Jan., 1892	29,102 85	28,169	200,000

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
Martinsville. Mooreville.	<i>Morgan County</i>				
	Farmers Savings and Loan Association.	July, 1917	464 81	4,000	50,000
	The Home Building Association.	Feb., 1890	310,657 90	301,750	1,000,000
Goodland. Kentland.	<i>Newton County</i>				
	Mooreville Building Loan and Savings Association.	Oct., 1919	83,300 26	175,300	250,000
Kendallville.	<i>Noble County</i>				
	Newton County Loan and Savings Association.	May, 1894	277,886 90	470,510	500,000
	Kentland Building and Loan Association.	July, 1920	33,843 84	280,200	500,000
	<i>Noble County</i>				
	Noble County Loan and Savings Association.	April, 1895	153,452 68	116,178	400,000
	<i>Ohio County</i>				
	The Ohio County Building, Loan Fund and Savings Association.	Jan., 1895	22,694 62	83,900	200,000
	<i>Orange County</i>				
	Orleans Building, Loan and Savings Association.	Oct., 1884	17,032 20	50,500	200,000
	<i>Owen County</i>				
	Owen County Savings and Loan Association.	Aug., 1911	30,050 00	62,300	100,000
	<i>Parke County</i>				
	Penn Building, Loan and Savings Association.	May, 1904	20,443 15	50,400	100,000
	Florida Perpetual Building and Loan Association.	May, 1895	9,947 14	28,000	50,000
	Rockville Savings and Loan Association.	Jan., 1921	12,532 00	7,600	100,000
	<i>Perry County</i>				
	Citizens Building and Loan Association.	Jan., 1921	29,953 45	29,000	100,000
	Cannelton Building and Loan Association.	Mar., 1896	29,903 70	76,200	100,000
	Building Loan Fund and Savings Association.	Aug., 1885	194,128 85	252,600	150,000
	Peoples Building and Loan Association.	Mar., 1914	258,211 54	314,250	500,000

<i>Pike County</i>				
Petersburg.....	Peoples Building and Loan Association.....	Aug., 1915	145,005 67	317,900
Winslow.....	The Petersburg Perpetual Building and Loan Association.....	Dec., 1915	76,715 84	211,900
	Winslow Building and Loan Association.....	April, 1913	34,539 67	89,300
<i>Porter County</i>				
Chesterton.....	Chesterton Rural Loan and Savings Association.....	Oct., 1921	53,649 63	30,000
Valparaiso.....	Valparaiso Building, Loan Fund and Savings Association.....	Dec., 1887	1,008,047 91	3,602,700
<i>Posey County</i>				
Cynthiana.....	Mutual Perpetual Building and Loan Association.....	Oct., 1904	21,221 96	58,600
Mt. Vernon.....	Peoples Loan and Savings Association.....	Dec., 1905	41,169 96	54,665
Poseyville.....	Poseyville Building and Loan Association.....	May, 1914	22,560 75	52,600
<i>Putnam County</i>				
Bainbridge.....	Bainbridge Building and Loan Association.....	Jan., 1915	22,284 71	45,469
Cloverdale.....	Cloverdale Building, Loan Fund and Savings Association.....	Oct., 1889	53,211 74	111,900
Greencastle.....	Greencastle Savings and Loan Association.....	Sept., 1911	256,442 00	588,400
Roachdale.....	Roachdale Savings and Loan Association.....	Oct., 1911	22,861 25	60,000
<i>Randolph County</i>				
Union City.....	Sixth Building and Loan Association.....	Mar., 1890	118,833 72	259,500
Winchester.....	Permanent Savings and Loan Association.....	Aug., 1889	112,492 07	238,900
	The Winchester Home and Savings Association.....	Mar., 1889	243,317 73	447,000
<i>Ripley County</i>				
Batesville.....	Citizens Savings and Loan Association.....	Feb., 1889	94,740 43	436,400
Cross Plains.....	The Permanent Building and Loan Association.....	June, 1884	88,832 03	83,708
Milan.....	Cross Plains Building and Savings Association.....	Sept., 1914	7,761 96	16,600
Osgood.....	Milan Loan and Building Association.....	June, 1888	27,897 00	79,700
	The Osgood Building and Loan Fund Association.....	May, 1887	34,133 51	30,643
Suman.....	The Ripley County Building Association.....	May, 1909	40,156 16	116,800
Versailles.....	Enterprise Building and Loan Association.....	May, 1888	15,605 64	85,900
	Versailles Building, Loan and Savings Association.....	Feb., 1888	13,386 10	12,668
<i>Rush County</i>				
Carthage.....	Carthage Building, Loan and Savings Association.....	Feb., 1886	18,967 00	40,800
Rushville.....	Building Association, No. 10.....	Mar., 1889	159,000 00	575,000
	Prudential Building and Loan Association.....	June, 1890	20,926 22	50,600

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
<i>Scott County</i>					
Austin.....	Austin Building and Loan Association.....	Mar., 1913	8,743 85	38,600	100,000
Scottsburg.....	Scottsburg Building and Loan Association.....	May, 1889	80,401 65	200,700	250,000
Scottsburg.....	Scott County Building and Loan Association.....	Feb., 1920	23,941 01	82,000	200,000
<i>Shelby County</i>					
Flat Rock.....	Citizens Building Association.....	May, 1896	205 048 64	497 300	500 000
Shelbyville.....	Homestead Building and Loan Association.....	Nov., 1889	645,792 48	1,425,300	2,000,000
	Mutual Savings and Loan Association.....	Dec., 1891	1,387,944 63	3,851,000	4,000,000
	Union Building Association.....	June, 1893	1,389,166 81	2,871,094	3,000,000
<i>Spencer County</i>					
Dale.....	Dale Savings Association.....	Mar., 1909	18,169 42	35,000	50,000
Grandview.....	Grandview Building and Loan Association.....	Aug., 1910	20,949 18	25,300	75,000
Hatfield.....	Hatfield Building and Loan Association.....	May, 1909	3,627 88	2,985	25,000
Rockport.....	Rockport Building, Savings and Loan Association.....	Aug., 1911	5,774 28	14,400	100,000
St. Meinrad.....	St. Meinrad Building and Loan Association.....	July, 1916	22,581 85	22,500	50,000
<i>St. Joseph County</i>					
Mishawaka.....	Mishawaka Building and Loan Association.....	June 1889	239,098 40	173,891	500,000
	Home Building and Loan Association.....	June, 1921	61,094 94	314,600	100,000
	Peoples Building and Loan Association.....	Feb., 1916	361,776 43	1,276,600	1,500,000
South Bend.....	Indiana Savings and Loan Association.....	Aug., 1913	974,480 89	943,038	2,000,000
	Jan III Sobieski Building and Loan Association.....	Mar., 1893	637,836 33	1,231,100	1,000,000
	Kosciusko Building and Loan Fund Association.....	Sept., 1884	535,495 73	1,082,400	3,000,000
	Lincoln Building and Loan Association.....	Aug., 1922	1,015 25	52,700	500,000
	Lasalle Building and Loan Association.....	June, 1922	1,696,882 18	3,500,000	600,000
	Building and Loan Association of South Bend.....	July, 1882	297,919 81	610,100	1,000,000
	St. Joseph County Loan and Savings Association.....	Nov., 1889	322,275	800,000	1,000,000
	Workmen's Building and Loan Association.....	May, 1892	74,000 00	393,800	1,000,000
	River Park Building, Savings and Loan Association.....	April, 1919	228,390 93	100,576	100,000
	Guaranty Rural Loan and Savings Association.....	May, 1921			
<i>Starke County</i>					
Knox.....	Knox Building Loan and Savings Association.....	Aug., 1913	44,205 30	152,700	250,000
North Judson.....	Perpetual Building and Loan Association.....	Sept., 1906	166,793 11	397,200	500,000

<i>Sullivan County</i>					
Carlisle.....	The Carlisle Building, Savings and Loan Association.....	July, 1896	38,348 84	135,100	150,000
Sullivan.....	Builders Savings and Loan Association.....	Mar., 1914	166,599 19	182,116	300,000
Dugger.....	Home Building and Loan Association.....	Aug., 1921	2,817 00	40,000	100,000
<i>Tiptecanoe County</i>					
Clarks Hill.....	Clarks Hill Building, Savings and Loan Association.....	Feb., 1887	23,119 96	60,000	200,000
Dayton.....	Home Building, Loan Fund and Savings Association.....	May, 1904	33,757 14	164,200	180,000
Lafayette.....	Citizens Building and Loan Association, "B".....	Sept., 1892	544,123 20	1,281,000	3,000,000
	Star City Building and Loan Association.....	Nov., 1890	248,352 93	218,394	1,000,000
Stockwell.....	Stockwell Building and Loan Association.....	Mar., 1900	16,025 58	12,604	1,000,000
West Lafayette.....	Purdue Building and Loan Association.....	July, 1922	2,490 00	88,700	1,000,000
<i>Tipton County</i>					
Tipton.....	Home Savings and Loan Association.....	Oct., 1915	88,480 20	306,400	1,000,000
	Tipton Building and Loan Association.....	Feb., 1886	233,938 43	696,600	1,000,000
<i>Vanderburgh County</i>					
Evansville.....	Central Trust and Savings Company.....	Mar., 1892	149,394 51	396,500	1,000,000
	Farmers Building and Loan Association.....	May, 1920	15,745 62	13,325	200,000
	Fidelity Savings and Loan Association.....	Feb., 1914	430,200 31	1,179,878	2,000,000
	Howal Building and Loan Association.....	Aug., 1912	160,404 40	382,000	500,000
	Lamasco Building and Loan Association.....	Dec., 1914	198,475 92	308,400	250,000
	North Side Savings and Loan Association.....	April, 1914	342,601 95	688,900	1,000,000
	Permanent Loan and Savings Association.....	April, 1885	366,563 03	820,050	1,500,000
	Security Savings and Loan Association.....	Jan., 1913	339,557 76	760,171	1,000,000
	Union Building and Loan Association.....	Mar., 1912	298,850 53	499,600	1,000,000
	West Side Building, Loan and Savings Association.....	Oct., 1904	198,186 05	653,400	1,400,000
<i>Vermillion County</i>					
Cayuga.....	Cayuga Home Savings and Loan Association.....	Mar., 1892	87,780 14	187,400	250,000
Clinton.....	Ninth Street Building and Loan Association.....	Mar., 1921	54,794 18	123,800	500,000
	Clinton Home Loan and Savings Association.....	Feb., 1893	442,296 60	963,225	1,000,000
	Clinton Building and Loan Company, No. 2.....	Jan., 1887	401,190 95	386,202	1,000,000
	Wabash Building and Loan Company.....	Sept., 1909	861,177 22	328,289	2,000,000
Dana.....	Dana Savings and Loan Association.....	Oct., 1902	26,820 68	48,500	100,000
St. Bernice.....	St. Bernice Building Loan and Savings Association.....	Aug., 1920	12,971 87	45,000	500,000

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
Terre Haute.....	<i>Vigo County</i>				
	Terre Haute Savings and Loan Association.....	June, 1922	1,387,339 27	2,624,000	1,000,000
	Central Loan Association.....	April, 1903	429,476 59	804,400	3,000,000
	Central Union Building Loan Association.....	April, 1903	532,976 19	1,087,200	1,000,000
	Citizens Savings and Loan Association.....	Decr., 1915	446,704 35	842,900	2,000,000
	Cottage Building and Savings Association.....	Aug., 1889	19,010 66	18,713	1,000,000
	*Enterprise Building and Loan Association.....	Mar., 1890	2,407,458 91	4,066,600	500,000
	Fort Harrison Savings Association.....	April, 1896	2,518,955 34	6,190,000	5,000,000
	Indiana Savings, Loan and Building Association.....	June, 1898	766,435 75	1,564,700	7,000,000
	Mechanics Building, Loan and Savings Association.....	Nov., 1890	412,698 43	1,033,200	2,000,000
	Merchants Loan and Savings Association.....	April, 1903	562,070 07	1,590,606	1,000,000
	Phoenix Building, Loan and Savings Association.....	July, 1920	4,729 71	31,400	200,000
	Standard Savings and Loan Association.....	July, 1895	1,002,803 90	1,559,500	2,000,000
	Terre Haute Mutual Savings Association.....	July, 1886	85,680 00	168,000	500,000
	Twelve Points Savings and Loan Association.....	Mar., 1920	1,056,982 99	1,993,000	5,000,000
	The Union Savings Association.....	April, 1888	337,653 77	726,050	1,000,000
	Vigo County Loan and Savings Association.....	Feb., 1900	2,051,688 93	4,126,800	6,000,000
	The Wabash Savings and Loan Building Association.....	Oct., 1890	43,691 60	67,000	100,000
	Sugar Creek Building and Loan Association.....	April, 1910	2,050 00	1,300	100,000
	*West Terre Haute Savings, Loan and Building Association.....	Feb., 1902			
<i>Wabash County</i>					
Wabash.....	Home Building and Loan Association.....	Feb., 1920	64,183 17	495,550	1,000,000
<i>Warrick County</i>					
Boonville.....	Boonville Building and Loan Association.....	July, 1917	82,597 17	61,391	300,000
	Franklin Loan and Savings Association.....	Feb., 1896	219,661 23	403,440	1,000,000
	Warrick Loan and Savings Association.....	Mar., 1904	69,191 96	124,000	200,000
	*Elberfeld Building, Loan and Savings Association.....	Mar., 1894	15,032 41	29,900	90,000
	Newburg Building, Loan and Savings Association, No. 2.....	Jan., 1899	36,047 25	98,500	400,000
<i>Warren County</i>					
Williamsport.....	Warren County Building, Loan Fund and Savings Association.....	Decr., 1886	82,797 00	225,400	300,000
West Lebanon.....	West Lebanon Building, Loan Fund and Savings Association.....	Mar., 1887	31,962 10	21,058	100,000

<i>Washington County</i>					
Campbellsburg.....					100,000
Salem.....					1,000,000
				16,504 42	42,800
				162,464 91	436,800
<i>Wayne County</i>					
*The Wayne International Building and Loan Association.....				42,200 39	66,100
Cambridge City.....				Oct., 1893	
Richmond.....				July, 1889	2,393,100
				Sept., 1887	2,500,000
				Sept., 1887	2,000,000
				April, 1894	400,000
				86,182 53	74,948
<i>White County</i>					
Brookston.....				Mar., 1899	100,000
Chalmers.....				Jan., 1905	100,000
Monticello.....				Aug., 1899	200,000
Monon.....				Oct., 1921	100,000
				11,654 60	10,988
<i>Wells County</i>					
Bluffton.....				Oct., 1890	1,000,000
				108,533 53	235,000
<i>Whitley County</i>					
South Whitley.....				Dec., 1921	50,000
				2,147 30	23,900
Total.....				\$134,506,283 72	\$278,324,911 00
					\$413,575,000 00

*Liquidating.

REPORT OF LOAN AND CREDIT DEPARTMENT

CHARLES W. CAMP, Bank Commissioner.

ELMER JOHNSON, Loan and Credit Clerk.

RECEIPTS

License fees\$27,000 00

DISBURSEMENTS

Salaries and expenses 2,009 66

Net receipts\$24,990 34

LIST OF LICENSEES AS OF SEPTEMBER 30, 1922

American Loan Company, Princeton.
 American Loan Company, Evansville.
 American Security Company, Rushville.
 American Security Company, Kendallville.
 American Security Company, Noblesville.
 American Security Company, Decatur.
 Auburn American Security Company, Auburn.
 American Security Company, Brazil.
 American Security Company, Wabash.
 American Loan Company, Columbus.
 American Loan Company, Indianapolis.
 American Loan Company, Franklin.
 American Loan Company, Seymour.
 American Security Company, Crawfordsville.
 American Security Company, Columbus.
 American Security Company, Seymour.
 American Security Company, Hartford City.
 American Security Company, Jeffersonville.
 American Security Company, New Albany.
 American Security Company, Goshen.
 American Security Company, Connersville.
 American Security Company, Shelbyville.
 American Security Company, Marion.
 American Security Company, Frankfort.
 Albe & Pool, Valparaiso.
 A. B. C. Loan Company, W. L. Miller, Crawfordsville.
 American Security Company, Peru.
 American Credit Company, Kokomo.
 American Credit Company, Marion.
 Arcadia Loan and Investment Company, Arcadia.
 American Security Company, Winchester.
 American Security Company, Newcastile.
 American Security Company, Elwood.
 Baum, Joseph, as Indiana Loan Company, Ft. Wayne.
 Baum, Lewis, Indianapolis.
 Barton, Nora, Frankfort.
 Brazil Loan Company, Brazil.
 Byrum, C. P., Loan & Investment Company, Kokomo.
 Beneficial Loan Society, Indianapolis.
 Business Men's Finance Association, Richmond.
 Bremen, I., Indianapolis.
 Burton Loan & Jewelry Company, Indianapolis.
 Baldwin, Hallie R., Rushville.
 Beneficial Loan Society, Ft. Wayne.
 Britton, Robert & Son, Roachdale.
 Blooms Loan Office, Indianapolis.
 Central Loan Company, Kokomo Central Loan Company, Kokomo.
 Central Loan Company, Kokomo Central Loan Company, Frankfort.

Clupper Loan Company, Marion.
City Loan Office, Indianapolis.
Crescent Loan and Investment Company, Evansville.
Capitol Loan Company, Shelbyville.
Capitol Loan Company, Seymour.
Capitol Loan Company, Columbus.
Capitol Loan Company, Rushville.
Capitol Loan Company, Batesville.
Capitol Loan Company, Greensburg.
Capitol Loan Company, Noblesville.
Capitol Loan Company, Lebanon.
Capitol Loan Company, Franklin.
Capitol Loan Company, Frankfort.
Capitol Loan Company, Indianapolis.
Capitol Loan Company, Martinsville.
Commonwealth Loan Company, Anderson.
Commonwealth Loan Company, Newcastle.
Commonwealth Loan Company, Ft. Wayne.
Commonwealth Loan Company, Indianapolis.
Commonwealth Loan Company, Richmond.
Commonwealth Loan Company, Connersville.
Commonwealth Loan Company, Brazil.
Commonwealth Loan Company, Terre Haute.
Commonwealth Loan Company, Elwood.
Citizens Loan Company, Wabash.
Central Finance Company, Columbus.
Central Loan & Investment Company, Logansport.
Clinton Finance Company, Frankfort.
Citizens Remedial Loan Company, Muncie.
Clapsaddle, Andrew J., Windfall.
Connersville Remedial Loan Association, Connersville.
Citizens Finance Company, Mishawaka.
Central Loan Company, Weisell Baber, Peru.
Community Loan Company, Pendleton.
Citizens Union Loan Company, Laporte.
Duncan, Peter O., Noblesville.
Davis Loan & Jewelry Company, Muncie.
Drzadowitz, Michael & Sons, Indianapolis.
Davidson Loan & Realty Company, Marion.
Dorfman, Sam, Indianapolis.
Equitable Loan Company, Ft. Wayne.
Elkhart Commercial & Finance Corporation, Elkhart.
Fidelity Loan Company, Indianapolis.
Fayette Chattel Loan Company, Miami Loan Company, Connersville.
Fidelity Loan Company, Claud H. Statton, Sullivan.
First Security Company, Union City.
Frank, Louis, South Bend.
Farmland Investment Company, Boonville.
Funk, Edward B., Princeton.
Fogel, Louis, Indianapolis.
Farmers Loan Company, Danville.
Farmers Mortgage Loan & Securities Company, Newcastle.
Farmers Investment Company, Scottsburg.
Greene County Loan Company, Linton.
Goldman, Moses, Evansville.
Hawkins, D. P., as Indiana Loan Company, Hartford City.
Hawkins, D. P., as Indiana Loan Company, Lafayette.
Hawkins, D. P., as Indiana Loan Company, Muncie.
Hancock, E. F., Indianapolis.
Howard Loan Company, Kokomo.
Homsper, J. F., Columbus.
Hopkins, Arthur H., Rensselaer.
Horne & Norris, Anderson.

Hahn, Sadie, Evansville.
Home Loan & Savings Company, Portland.
Hawkins Mortgage Company, Portland.
Huntington Securities Company, Huntington.
Indiana Collateral Loan Company, Indianapolis.
Indiana Finance Company, Elkhart.
Indianapolis Finance Company, Indianapolis.
Indiana Finance Company, South Bend.
Indiana Loan Company, Terre Haute.
Indiana Loan Company, Greencastle.
Indianapolis Public Welfare Loan Association, Indianapolis.
Indianapolis Company, Indianapolis.
Interstate Collateral Loan Company, Indianapolis.
Jefferson Loan Company, Madison.
Jefferson Loan Company, New Albany.
Jefferson Loan Company, Versailles.
Judy, John F., Judyville (Fountain County).
Judy, John F., Judyville (Warren County).
Jefferson Loan Company, Vevay.
Kokomo Central Loan Company as Central Loan Company, Tipton.
Kokomo Investment & Loan Company, Kokomo.
Knox County Real Estate & Loan Company, Vincennes.
Keim, H. J., Marion.
Kaiser, John, Wabash.
Korn, Jos. M., South Bend.
Kitch, C. S., Company, Fort Wayne.
Legal Loan Company, Marion.
Legal Rate Loan Company, Legal Loan Company, Kokomo.
Legal Loan Company as Miami Loan Company, Winamac.
Legal Loan Company as Miami Loan Company, Monticello.
Legal Loan Company as Miami Loan Company, Delphi.
Legal Loan Company as Miami Loan Company, Logansport.
Legal Loan Association as Legal Loan Company, Lafayette.
Leavell & Bates, Tipton.
Logansport Remedial Loan Association, Logansport.
Lesser, Charles J., Hammond.
Liberal Loan Society, Bluffton.
Marion Loan Company, Marion.
Marion Loan Company, Wabash.
Miami Loan Company as Indiana Loan Company, Logansport.
Miami Loan Company as Peru Chattel Loan Company, Peru.
Monks, Edgar L., Winchester.
Morrison, Corydon W., Greenfield.
Madison Finance Company, Madison.
Martinsville Discount Corporation, Martinsville.
Meek, Jethro C., Greensburg.
Muncie Loan Company, Muncie.
Medias, Charles, Indianapolis.
Merriman, Mayme E., Frankfort.
Madison Remedial Loan Association, Anderson.
Milligan Finance Company, Fort Wayne.
Milligan & Company, Portland.
Martinsville Discount Corporation, Bloomington.
Newcastle Loan Company, Newcastle.
Newcastle Remedial Loan Association, Newcastle.
Onkin, Ben, Terre Haute.
Osterday, Henry W., Mulberry.
Orange County Security Company, Paoli.
O'Brien, John D., Marion.
O'Brien, Michael, Bedford.
Olszewitz, Mora, Indianapolis.
Peoples Collateral Loan Company, Ft. Wayne.
Prudential Loan Company, Anderson.

Peoples Finance Company, Ft. Wayne.
Provident Loan Association, South Bend.
Provident Loan Association, Michigan City.
Provident Loan Association, Valparaiso.
Provident Loan Association, Elkhart.
Provident Loan Association, Hammond.
Plymouth Finance Company, Plymouth.
Prudential Loan & Investment Company, South Bend.
Princeton Finance Company, Princeton.
Pursel, S. R., Greencastle.
Prudential Loan & investment Company, Richmond.
Peoples Loan Company, Franklin.
Peoples Loan Company, Shelbyville.
Peoples Loan Company, Greensburg.
Peoples Loan Company, Anderson.
Palmer, Alex, New Albany.
Remedial System of Loaning, Evansville.
Rochester Discount Corporation, Rochester.
Reliable Loan Company, Elwood.
Rosenfeld, Morris, Terre Haute.
Rose, A. G., Martinsville.
Reliable Loan Office, Indianapolis.
Rubin, Nathan M., Terre Haute.
Scudder, Omer, Columbus.
Shank Investment Company, Ft. Wayne.
State Loan Company, Laporte.
State Loan Company, South Bend.
Security Mortgage Loan Company, Indianapolis.
Smith, Walter E., Rushville.
Security Loan Company, South Bend.
Security Loan Company, Clinton.
Security Loan Company, Rockville.
Security Loan Company, Sullivan.
Security Loan Company, Terre Haute.
Security Loan Company, Goshen.
Security Loan Company, Plymouth.
Security Loan Company, Warsaw.
Sussman, Wolf, Indianapolis.
State Investment & Loan Company, Richmond.
Swank, Wm. A., Veedersburg.
Swank, Wm. A., Crawfordsville.
Swank, Wm. A., Lebanon.
State Mortgage & Finance Company, Gary
Security Finance Company, Ft. Wayne.
Security Loan Company, Knox.
Storer, O. W., Marion.
Storer, O. W., Connersville.
Storer, O. W., Terre Haute.
Storer, O. W., Kokomo.
Storer, O. W., Ft. Wayne.
Storer, O. W., Muncie.
Storer, O. W., Indianapolis.
Storer, O. W., Newcastle.
Storer, O. W., Anderson.
Sterchi, Sam, Terre Haute.
Seligman, Jake, Indianapolis.
Seligman, Abe, Indianapolis.
Sasse, Herman E., Gary.
Tavel, Maurice, Indianapolis.
Tavel Brothers, Indianapolis.
Tavel Brothers, Indianapolis.
Thomas, Fred V., Corporation, Greencastle.
Valley Loan Company, Huntington.

Wolf & Harlem, Mt. Vernon.
Willis Dean Loan Company, Marion.
Wood, William L., Rensselaer.
Welfare Loan Society, Michigan City.
Welfare Loan Society, Anderson.
Welfare Loan Society, Richmond.
Welfare Loan Society, South Bend.
Welfare Loan Society, Vincennes.
Welfare Loan Society, Terre Haute.
Welfare Loan Society, New Albany.
Welfare Loan Society, Indianapolis.
Welfare Loan Society, Ft. Wayne.
Welfare Loan Society, Muncie.
Welfare Loan Society, Marion.
Welfare Loan Society, Logansport.
Welfare Loan Society, Kokomo.
Welfare Loan Society, Lafayette.
Welfare Loan Society of Elkhart, Elkhart.
Wood, Freeman M., Lafayette.
Wood, Freeman M., Williamsport.
Wood, Freeman M., Oxford.
Wilson, Arthur N., Indianapolis.
Zimmerman, W. D., Princeton.

REPORT OF THE STATE BOARD OF HEALTH

MEMBERS OF THE STATE BOARD OF HEALTH

JOHN H. HEWITT, M. D., President, Terre Haute.

HUGH A. COWING, M. D., Vice-president, Muncie.

J. N. HURTY, M. D., Secretary, Indianapolis.

CHARLES B. KERN, M. D., Lafayette.

ADAH McMAHAN, M. D., Lafayette.

PERSONNEL OF SUPERINTENDENTS OF DIVISIONS

W. F. KING, M. D., Assistant Secretary, Director Division of Venereal Diseases.

I. L. MILLER, A. B., Superintendent Division of Chemistry and State Food and Drug Commissioner.

L. A. GEUPEL, B. S., Sanitary Engineer.

WILLIAM SHIMER, M. D., Superintendent of Laboratory of Hygiene.

ADA E. SCHWEITZER, M. D., Director Division of Infant and Child Hygiene.

H. W. McKANE, M. D., Director Division of Tuberculosis.

H. M. WRIGHT, Director Division of Vital Statistics.

W. F. SHARPE, Director Division of Housing.

INA GASKILL, Director Division of Nursing.

H. R. CONDREY, Accountant, Director Division of School Hygiene.

L. J. RAIL, State Investigator.

REVIEW OF ACTIVITIES DURING THE YEAR ENDING SEPTEMBER 30, 1922.

The board held four regular and twelve special meetings, as follows:

Regular quarterly meeting, October 12, 1921.

Regular quarterly meeting, January 11, 1922.

Regular quarterly meeting, April 12, 1922.

Regular quarterly meeting, July 19, 1922.

Special meeting, February 13, 1922.

Special meeting, February 14, 1922.

Special meeting, February 15, 1922.

Special meeting, February 16, 1922.

Special meeting, February 17, 1922.

Special meeting, February 18, 1922.

Special meeting, March 17, 1922.

Special meeting, May 19, 1922.

Special meeting, June 6, 1922.

Special meeting, June 20, 1922.

Special meeting, August 3, 1922.

Special meeting, September 22, 1922.

ABSTRACT OF PROCEEDINGS OF ABOVE MEETINGS AS FOLLOWS

Regular quarterly meeting October 12, 1921. The Secretary reported that a model sanitary ordinance had been sent to all mayors and health officers of cities, together with a letter urging the adoption

and enforcement of the ordinance. Reports from the various divisions and departments were received. Mr. Frank C. Wilson of Norfolk, Nebraska, a graduate bacteriologist, with a degree of B. S. from the State University of Kansas, was appointed director of the Traveling Milk Laboratory, which had been established by the State Board of Health September 28, 1921. The ordinary routine business of the board was attended to.

Regular quarterly meeting January 11, 1922. Reports from various divisions and departments were received and considered. Consideration was given to the Sheppard-Towner Act passed by Congress with an appropriation of \$10,000 to states accepting the provisions of the act through the Governor, and a plan of activity through the Infant and Child Hygiene Division was presented by the Secretary. It was ordered that a copy of this plan should be submitted to the Children's Bureau at Washington for approval. Dr. George P. Paul, representing the International Health Board, made his report and presented a plan for co-operation between the International Health Board and the State Board of Health in establishing an all-time health department in not to exceed three counties of the state. It was shown that an agreement had been made with the county commissioners of Fulton County, and also with the county commissioners of Gibson County, for the establishing of full-time health service. Secretary was ordered to continue negotiations with these two counties and to carry out the co-operative plan at the earliest possible time. It was ordered that the regular annual meeting of the health officers be held in Indianapolis, February 15 and 16, in conjunction with the health institute to be held at that time under the auspices of the Indiana State Board of Health, U. S. Public Health Service, and the Indiana University School of Medicine. The Secretary reported that the quarantine heretofore maintained in the case of Robert Burdine, his wife, and daughter, all of whom had been in quarantine for fourteen months on account of leprosy, had been discharged because proof had been submitted that all symptoms of the disease in Robert Burdine had passed and he was pronounced free from the infection of leprosy. Mr. Frank C. Wilson reported survey made of the milk supply of Huntington, Indiana. The following schoolhouses were condemned after a thorough consideration of the sanitary surveys of the same made in the regular way.

Gibson County, Haubstadt School, Johnson Township.
Jefferson County, District 1, Monroe Township.
Jefferson County, District 2, Monroe Township, Big Creek School.
Jefferson County, District 3, Monroe Township, Marble School.
Jefferson County, District 4, Monroe Township, Wood School.
Jefferson County, District 5, Monroe Township, Oakdale School.
Jefferson County, District 6, Monroe Township, _____.
Jefferson County, District 7, Monroe Township, Hebron School.
Jefferson County, District 9, Monroe Township, Baxter School.
Jefferson County, District 10, Monroe Township, Swartz School.
Jefferson County, Lower Seminary School, Madison, Madison Township.
Madison County, District 3, Chesterfield School, Union Township.
Miami County, District 2, Pipe Creek Township, Rife School.
Miami County, District 3, Pipe Creek Township, Nead School.
Miami County, District 5, Pipe Creek Township, Stroupe School.
Vigo County, District 2, Rogers School, Honey Creek Township.

Wabash County, Old High School, North Manchester, Indiana.

Miami County, District 4, Pipe Creek Township, Cripe School.

Clay County, District 2, Buffaloville, Clay Township.

Special meetings were held February 13, 14, 15, 16, and 17 in conjunction with the Public Health Institute. The following resolution in regard to the institute was adopted by the board. Ordered: The Indianapolis Public Health Institute is herewith declared a great success, well worth the effort and the cost. The members have had much pleasure and profit in participating, in speaking and in acting as presiding officers on different days.

Special meeting March 17, 1922. The object of this meeting was to consider the purpose of the Indiana Health Exposition to be held at the State Fair Grounds May 19 to 27. After full consideration the board endorsed the exposition and urged full co-operation by the State Board of Health.

Regular quarterly meeting April 12, 1922. Reports of the Secretary, Assistant Secretary, and heads of the various divisions were received and considered. After a review and careful consideration of the regular sanitary surveys made, the following schools were condemned, condemnation to be effective June 15, 1922:

Spencer County, Ohio Township, District No. 1.
Spencer County, Ohio Township, District No. 2.
Spencer County, Ohio Township, District No. 5.
Spencer County, Ohio Township, District No. 6.
Spencer County, Ohio Township, District No. 9.
Spencer County, Ohio Township, District No. 15.
Dekalb County, Stafford Township, District No. 1.
Dekalb County, Stafford Township, District No. 2.
Dekalb County, Stafford Township, District No. 3.
Dekalb County, Stafford Township, District No. 15.
Dekalb County, Stafford Township, Wartenbee School.
Madison County, Adams Township, District No. 1.
Madison County, Adams Township, District No. 2.
Madison County, Adams Township, District No. 3.
Madison County, Adams Township, District No. 4.
Madison County, Adams Township, District No. 5.
Madison County, Adams Township, District No. 6.
Jackson County, Grassy Fork Township, District No. 4, Tampico School.
Switzerland County, Posey Township, Riverside School.
Switzerland County, Posey Township, Quercus Grove School.
Elkhart County, Osola Township, District No. 1.
Elkhart County, Osola Township, District No. 2.
Elkhart County, Osola Township, District No. 4.
Elkhart County, Center Township, District No. 4.
Elkhart County, Clinton Township, District No. 10, Young America School.
Marion County, Annex to School No. 42, Indianapolis.

Miss Flora A. Dutcher, nurse attached to the Division of Tuberculosis, was given leave of absence without pay to take a post-graduate course in nursing. The Secretary was directed to employ women lecturers and organizers for the purpose of effecting a state-wide organization of the women's council on social hygiene and in this way to promote the work of the Bureau of Venereal Diseases, said lecturers to serve without pay, but with traveling expenses paid from the appropriations of the Bureau of Venereal Diseases, upon order of the director

of that bureau. Regular routine business of the quarter was attended to.

Special meeting May 19, 1922. This meeting was held in connection with the opening of the Indiana Health Exposition at the Fair Ground. At the opening of the exposition Governor McCray delivered an address and a statue of Hygeia unveiled. The battery from Fort Harrison fired salute and the Fort Harrison band played the "Star-Spangled Banner," and the exposition was officially declared open. The Secretary reported that every requirement of the Children's Bureau at Washington had been complied with and that the plan of activity and co-operation under the provisions of the Sheppard-Towner Act had been accepted and approved by the Children's Bureau. The Secretary also stated that as soon as the allotment to the State of Indiana from the federal appropriation was received actual infant hygiene and maternity welfare work would begin.

Special meeting June 6, 1922. The board received the resignation of Dr. William Shimer as Superintendent of the Laboratory of Hygiene and considered applications for appointment to this position. After due consideration Dr. A. G. Long of Cambridge, Massachusetts, was appointed to take up the work July 16. A committee consisting of the President and Secretary was appointed to wait upon the Governor and consult with him concerning the making of a rural survey of one agricultural county in the state through the Division of Housing, the purpose of said survey to be to secure reliable data regarding sociological, medical, and sanitary conditions in a typical agricultural county in the state. The following schoolhouses were condemned, condemnation to be effective June 5, 1922, after thorough consideration and review of the sanitary surveys made of these buildings:

- Bartholomew County, Clay Township, District No. 2.
- Bartholomew County, Clay Township, District No. 3.
- Bartholomew County, Clay Township, District No. 4.
- Bartholomew County, Clay Township, District No. 5.
- Bartholomew County, Sand Creek Township, District No. 4.
- Bartholomew County, Sand Creek Township, District No. 5.
- Bartholomew County, Sand Creek Township, District No. 6.
- Vigo County, Prairie Creek Township, District No. 1.
- Vigo County, Prairie Creek Township, District No. 2.
- Vigo County, Prairie Creek Township, District No. 3.
- Vigo County, Prairie Creek Township, District No. 4.
- Vigo County, Prairie Creek Township, District No. 5.
- Wayne County, Boston Township, District No. 2.
- Hancock County, Vernon Township, District No. 7, Cushman School.
- Hancock County, Vernon Township, District No. 5, Cook School.
- Martin County, Lost River Township, District No. 6.
- Orange County, Jackson Township, District No. 1.
- Orange County, Jackson Township, District No. 6.
- Clay County, Sugar Ridge Township, District No. 6.
- Jasper County, Walker Township, District No. 4.
- Jasper County, Walker Township, District No. 5.
- Marshall County, Tippecanoe Township, District No. 4.
- Steuben County, Jackson Township, District No. 1.
- Steuben County, Jackson Township, District No. 2.
- Steuben County, Jackson Township, District No. 4.
- Steuben County, Jackson Township, District No. 6.
- Steuben County, Jackson Township, District No. 7.

Steuben County, Jackson Township, District No. 9.
Tipton County, Jefferson Township, District No. 10.
Brown County, Jackson Township, District No. 2.
Whitley County, Troy Township, District No. 1.
Whitley County, Troy Township, District No. 2.
Whitley County, Troy Township, District No. 3.
Whitley County, Troy Township, District No. 4.
Whitley County, Troy Township, District No. 6.

Special meeting June 20, 1922. This meeting was held at the Indiana State Sanatorium at Rockville, and was for the purpose of making the annual sanitary inspection of the State Sanatorium as commanded in the statutes. A report of this survey is on file with the board and a copy submitted to the Governor.

Regular quarterly meeting July 19, 1922. Reports from various divisions and departments were received and considered. The Secretary reported the establishment of an all-time health officer's service in Fulton County. This service is made possible through the co-operation of the International Health Board, the State Board of Health, and the Board of County Commissioners of Fulton County. Dr. Arthur L. Oilar of Anderson, formerly director of the venereal disease clinic at Anderson, was appointed as full-time health officer for Fulton County, and began his services on June 1. The Secretary also made a report of the Indiana Health Exposition, which had been held at the Fair Grounds May 19 to 29. The Secretary also presented the report of a sanitary survey made by the State Board of Health of the Indiana State Sanatorium at Rockville on June 20. This report, copy of which had been approved by the Governor, is of record in the minutes of the State Board of Health. Dr. J. N. Hurty, who had been Secretary of the State Board of Health since March 12, 1896, presented his resignation to the State Board of Health, the same to become effective September 30, 1922. This resignation was accepted by the board. The usual routine business of the board was given attention.

Special meeting August 3, 1922. Dr. W. F. King, Assistant Secretary of the State Board of Health, was appointed Secretary, his term of office to begin October 1, 1922. Various other matters pertaining to the work of the different departments and divisions and to condemnation of school buildings was given attention by the board.

Special meeting September 22, 1922. The board gave a hearing to the committee representing taxpayers and patrons of Washington Township, Delaware County, in reference to permission to use the present condemned school building in Gaston, in said township, for school purposes. After full consideration of the information and arguments presented by the committee, the whole matter was laid upon the table. A report of the committee of the board, consisting of Dr. Hewitt, Dr. McMahan, Dr. Hurty, on reorganization of the Division of Infant and Child Hygiene, was presented, considered, and by order of the board the work of the committee was continued. Report was made by Mr. L. A. Geupel, Sanitary Engineer of the State Board of Health, on the matter of sewage disposal of the city of Frankfort. After consideration of this report it was ordered that a meeting be arranged with the mayor, city council, and board of health of the city of Frankfort in an effort to

adjust matters at issue. The ordinary routine business of the board was given attention.

REPORT OF LABORATORY OF HYGIENE, OCTOBER 1, 1921, TO SEPTEMBER 30, 1922

DIVISION OF BACTERIOLOGY AND PATHOLOGY

PERSONNEL

WILLIAM SHIMER, A. B., M. D., Director (Resigned June 1, 1922)
ALFRED G. LONG, M. D., C. P. H., Director.
J. P. NICODEMUS, M. D., Assistant Pathologist.
MISS CARRIE C. SMITH, B. S., Bacteriologist.
MR. JOHN VIE, Serologist.
MISS HERVEY M. HOOKER, Clerk.
MISS RAE BUNDY, Stenographer.
MISS RUTH FEHR, Scientific Assistant (left October 1, 1922).
MISS ALICE HEWITT, Scientific Assistant.
MISS MARGARET EBLER, Scientific Assistant.
MR. R. P. JOHNSON, Technical Assistant.
MRS. NELLIE SHINN, Janitress.
MISS DAILY, Serologist (left April 15, 1922).
MRS. SMALL, Serologist (left July 1, 1922).
MISS CLAPP, Scientific Assistant (left February 15, 1922).
MR. WM. WINCHESTER, Scientific Assistant (left April 30, 1922).

The work of this division is steadily growing, as reference to the appended tables will demonstrate. It is unfortunate that there has been such a continuous change in the working staff. The more teamwork there is in an office such as this, the better the final results, especially as the persons employed have had at best a very incomplete preliminary training and only by working together is it possible for this work to be of much value.

Of the different aspects of the work we might deal with sputum examinations first. These vary greatly in number from day to day but tend more or less to be routine in character for sanatoriums and a few men who are specializing in chest work. The preliminary treatment of the specimens with antiformin is of especial value in these cases, as it makes the detection of small numbers of bacilli possible and so assists in the treatment of patients who are under observation.

The Wassermann work runs closely to 100 tests daily and takes the full time of one person. Fifty per cent of the specimens come from the various free clinics, 47 per cent are from private physicians and the remainder from state institutions. The antigen used is supplied from the hygienic laboratory in Washington; we make our own amboceptor, and keep our own guinea-pigs, but buy our sheep's blood from a local slaughter house. By daily titrations of the complement and amboceptor and the adoption of the icebox fixation method we are doing a test now which ought to be free from adverse criticism. The examination of pus

smears for gonococci is also a large item of our work; a good deal of the work also comes from the clinics.

Our diphtheria work has been very heavy, as reference to the reports will show. A great deal of this is due to carelessness on the part of parents as well as health officers. The child is sick, the parents don't call a physician till other cases develop. Strict quarantine by the health officer and immunization of contacts will stop any outbreak in its infancy. To try and attain this end, special outfits were prepared and sent to seventy-three nurses who do school work in the counties and special literature was prepared and sent to five hundred health officers.

In connection with the outbreaks of typhoid fever at Warsaw and Greenfield, this laboratory furnished many Widal outfits and the director visited Greenfield twice, inspecting dairies and food stores and taking samples of well water. In both instances milk was found to be the vehicle of infection.

Mention should also be made of the public health exhibit in which this division took part. Some pathological specimens were shown and two large display signs were prepared showing the amount and variety of work done in the past year. It is difficult for a department such as this to prepare an exhibit which conveys any definite idea to the lay mind of the scope and diversity of its operations.

The diagnosis of tumors and miscellaneous pathological material submitted for examination has continued much as usual.

The head of this division acts also as collaborating epidemiologist for the U. S. Public Health Service. In this connection we may say that an earnest endeavor has been made to obtain weekly reports from city, county and town health officers. The majority of these report more or less regularly, but some are too busy or too careless to bother to let the rest of the state know how healthful a spot their particular territory is to live in. From reports so received and from the results of examinations in the laboratory, together with newspaper reports, it is possible to head off an epidemic before it reaches any size.

The preparation and distribution of outfits has reached such dimensions that some mention should be made of this work. One man is kept busy doing nothing else and part-time assistance will be needed in this department very soon, especially in the winter months.

SPECIMENS EXAMINED

	1919	1920	1921	1922
Sputum	7,646	8,321	12,478	9,601
Diphtheria cultures	5,012	5,778	11,167	23,778
Blood for Widal's	2,368	1,399	1,412	1,233
Blood for Wassermann's	5,028	14,935	19,881	25,042
Blood for malaria	98	182	180	84
Brains for rabies	89	82	90	107
Pus for gonococci	3,923	7,941	5,651	5,096
Tissues for diagnosis	269	293	346	298
Miscellaneous	879	286	460	271
Total number	25,312	39,217	51,665	65,510

PASTEUR TREATMENT

J. P. NICODEMUS, Physician.

ALICE HEWITT, Attendant.

This department has administered prophylactic treatment to forty-nine persons the past year. It has been felt that in many instances this treatment has been given where the indications were too indefinite to warrant it, but still, for the peace of mind of the parents or friends, and to prevent the possible development of the disease the usual course of treatment was carried out. As in previous years, no untoward effects were reported while the patient was under observation. It is felt by us that patients should be considered as hospital cases, especially those whose homes are out of the city, as their actions and mode of living are difficult to control in a hotel.

The accompanying tables give interesting information as to the parts of the state where definitely rabid animals have been found, and from what parts the patients come who have received treatment.

PATIENTS TREATED

NAME	Town	County	Sex	Age	Treatment Began	Treatment Finished
Charlie Coulter.....	Indianapolis.....	Marion.....	M	35	Oct. 11, 1921	Oct. 17, 1921
Roena Temple.....	Greenfield.....	Hancock.....	F	53	Nov. 12, 1921	Nov. 29, 1921
Chas. H. Dickman.....	Greenfield.....	Hancock.....	M	2	Nov. 12, 1921	Nov. 29, 1921
Marie Armstrong.....	Indianapolis.....	Marion.....	F	14	Nov. 26, 1921	Dec. 13, 1921
Emma Proctor.....	Dugger.....	Sullivan.....	F	39	Nov. 29, 1921	Dec. 16, 1921
Joe Meredith.....	Dugger.....	Sullivan.....	M	2	Nov. 30, 1921	Dec. 17, 1921
Mrs. Ruth Meredith.....	Dugger.....	Sullivan.....	F	26	Nov. 30, 1921	Dec. 17, 1921
Muriel Winters.....	Dugger.....	Sullivan.....	M	9	Dec. 1, 1921	Dec. 18, 1921
John C. Stringer.....	Dugger.....	Sullivan.....	M	33	Dec. 2, 1921	Dec. 9, 1921
Georgia Coleman.....	Princeton.....	Gibson.....	F	21	Dec. 30, 1921	Jan. 16, 1922
Harry Cohen.....	Princeton.....	Gibson.....	M	33	Dec. 30, 1921	Jan. 16, 1922
Sigel Kemp.....	New Albany.....	Floyd.....	M	13	Mar. 10, 1922	Mar. 27, 1922
Mrs. J. H. McClellan.....	Indianapolis.....	Marion.....	F	40	Apr. 19, 1922	May 3, 1922
Richard Leon Carney.....	Indianapolis.....	Marion.....	M	3	Apr. 19, 1922	May 3, 1922
Edward Elmore.....	Terre Haute.....	Vigo.....	M	18	May 1, 1922	May 18, 1922
Martha J. Rethmeyer.....	Cumberland.....	Marion.....	F	47	May 3, 1922	May 19, 1922
Nora May Burdine.....	Indianapolis.....	Marion.....	F	7	May 10, 1922	May 16, 1922
F. M. McKinstrey.....	Fishers.....	Hamilton.....	M	29	May 18, 1922	May 24, 1922
Theodore Wachstetter.....	Indianapolis.....	Marion.....	M	51	May 18, 1922	May 24, 1922
Lawrence Johnson.....	Indianapolis.....	Marion.....	M	31	May 18, 1922	May 24, 1922
Wayne Spencer.....	Indianapolis.....	Marion.....	M	6	May 22, 1922	June 7, 1922
Robert Harrah.....	Indianapolis.....	Marion.....	M	4	May 23, 1922	June 8, 1922
Mary Harrah.....	Indianapolis.....	Marion.....	F	5	May 23, 1922	June 8, 1922
Pearl Calvert.....	Indianapolis.....	Marion.....	F	29	May 26, 1922	June 11, 1922
Raymond Medsker.....	Indianapolis.....	Marion.....	M	5	May 26, 1922	June 11, 1922
Charles Broderick.....	Indianapolis.....	Marion.....	M	4	May 26, 1922	June 11, 1922
Bernard Broderick.....	Indianapolis.....	Marion.....	M	3	May 26, 1922	June 11, 1922
John Lewis Kent, Jr.....	Indianapolis.....	Marion.....	M	7	May 27, 1922	June 2, 1922
Mrs. L. Broderick.....	Indianapolis.....	Marion.....	F	52	May 28, 1922	June 3, 1922
Mrs. J. J. Eilers.....	Indianapolis.....	Marion.....	F	22	May 28, 1922	June 3, 1922
Joseph Eilers.....	Indianapolis.....	Marion.....	M	3	May 31, 1922	June 6, 1922
George Marquett.....	Indianapolis.....	Marion.....	M	43	June 1, 1922	June 7, 1922
Manda Jane Norrington.....	New Albany.....	Floyd.....	F	33	June 8, 1922	June 25, 1922
William Aemmer.....	New Albany.....	Floyd.....	M	11	June 8, 1922	June 25, 1922
Austin Jackson.....	Oaklandon.....	Marion.....	M	5	June 14, 1922	June 20, 1922
Herbert Wells.....	Parr.....	Jasper.....	M	6	June 10, 1922	June 27, 1922
Noble Kerr.....	Austin.....	Scott.....	M	11	June 27, 1922	July 14, 1922
Mrs. V. V. Stoner.....	Indianapolis.....	Marion.....	F	27	July 12, 1922	July 18, 1922
John Hale.....	Hymera.....	Sullivan.....	M	55	July 18, 1922	Aug. 4, 1922
Mrs. E. F. Spatig.....	Jeffersonville.....	Clark.....	F	21	July 18, 1922	July 24, 1922
Irene Mitchell.....	Linton.....	Greene.....	F	10	July 20, 1922	July 26, 1922
Thomas A. Jackson.....	Indianapolis.....	Marion.....	M	3	July 26, 1922	Aug. 1, 1922
Claude Maxey.....	Indianapolis.....	Marion.....	M	27	Aug. 4, 1922	Aug. 10, 1922
Michael Edmonds.....	Indianapolis.....	Marion.....	M	4	Aug. 8, 1922	Aug. 14, 1922
Mary Frances Grubbs.....	Jeffersonville.....	Clark.....	F	11	Aug. 8, 1922	Aug. 25, 1922
Ralph Iles.....	Indianapolis.....	Marion.....	M	8	Aug. 21, 1922	Aug. 27, 1922
Marie Osterman.....	Indianapolis.....	Marion.....	F	11	Sept. 1, 1922	Sept. 18, 1922
Florence Rodemund.....	Indianapolis.....	Marion.....	F	3	Sept. 19, 1922	Sept. 25, 1922
Chauncey Parker.....	Indianapolis.....	Marion.....	M	15	Sept. 20, 1922	Oct. 9, 1922

**REPORT OF THE CHEMICAL DIVISION OF THE LABORATORY
OF HYGIENE****I. L. MILLER, Chemist****Indiana State Board of Health.****State Food and Drug Commissioner.****State Commissioner of Weights and Measures.****Superintendent Oil Inspection.****LABORATORY STAFF****V. C. STARNER, Food and Drug Chemist.****H. F. REINHARD, Assistant Food and Drug Chemist.****L. A. GEUPEL, Director of Water and Sewage Department.****H. W. DEUKER, Water Chemist and Bacteriologist.*****LELAH BARNES, Assistant Water Chemist and Bacteriologist.****B. H. JEUP, Water Chemist and Bacteriologist.****MARION S. CAMPBELL, Assistant Water Chemist.****FRANK C. WILSON, Milk Bacteriologist, in charge Traveling Milk
Laboratory.****MARY LOFTUS, Custodian of Laboratories.****INSPECTION STAFF****A. W. BRUNER.****O. T. LAW.****C. L. HUTCHENS.****J. W. STOKES.****G. W. FRITSCHÉ.****F. W. TUCKER.****RICHARD WHITE.****OFFICE STAFF****EDITH L. HOFFMAN, Chief Clerk.****BERNICE GARNER, Clerk.****ADA FOX, Clerk.**

The Chemical Division of the Laboratory of Hygiene was established by the State Board of Health in 1905 under a legislative act of that year. Other laws enacted since that time have added new duties and have very largely extended the scope of its work. The division is now charged with the enforcement of all laws relating to the sanitation, adulteration and misbranding of foods and drugs; of weights and measures laws applicable to all common commodities of trade and all laws relating to the operation and purification of public and private water supplies and to sewage disposal so far as it affects health and living conditions. These various laws are administered through four well-defined and well-organized departments, namely, food and drugs, water and sewage, weights and measures, and oil inspection. The policy of the various departments of the division has always been co-operative rather than strictly regulative. Success has been measured by improved conditions in sanitation of food and drug handling establishments, purer foods and drugs, better water supplies and cleaner cities, rather than by a long list of victorious prosecutions of offenders. With but few

*Resigned.

exceptions generous and effective co-operation has been extended by persons and associations affected by the laws and regulations administered by the division.

REPORT OF THE FOOD AND DRUG DEPARTMENT

The Department of Foods and Drugs administers the pure food and drug law which defines adulteration, misbranding, unsanitary conditions in slaughterhouses, and fixes milk standards; the sanitary food law, which defines unsanitary conditions in all food manufacturing and food distributing establishments and sets forth certain definite requirements of building construction; the cold storage law, which provides for the licensing of cold storage plants, specifies time and conditions of the storage of perishable foods and regulates the sale of cold storage eggs; the model bakery law, which regulates the sanitation of bakeries, the health requirements of employes, and fixes the standard weight for loaves of bread.

In addition to these may be mentioned the renovated butter law, the clean milk can law, requiring the proper cleansing of all receptacles used in the handling of all dairy products, and the linseed oil law. The provisions and requirements of these laws are generally acceptable to the trades and businesses affected, and compliance with them, at least in spirit, has become almost universal.

The department is largely engaged in educating those who are continually entering one phase or the other of the food and drug business, and who are not familiar with the laws. It has been gratifying to note that larger numbers of persons apply each succeeding year for information regarding new businesses or the launching of new enterprises. Department records show that in many cases large sums would have been saved if the dealer or manufacturer had thoroughly familiarized himself with the laws before starting in business or placing a new product upon the market, to say nothing of the inconvenience and loss of time.

As in past years, new and necessary equipment has been added in the chemical laboratories in order that they may be kept up-to-date and fitted for all analytical operations that may be necessary in the examination of foods and drugs.

Similarity of the federal and Indiana pure food and drug laws has greatly facilitated co-operative work between this department and the Federal Bureau of Chemistry. Evidence has been referred to the federal bureau in a number of interstate cases which could not be adjusted by the state department. Many federal samples have been collected and submitted to the federal department either at Cincinnati or Chicago. Through such co-operative work much misbranded and adulterated merchandise has been removed from the Indiana markets. While misbranding and adulteration are impositions upon the consumer, cleanliness and wholesomeness of foods are of much greater importance, and it has been to this phase of food control work that the members of the department have largely devoted their attention.

The sanitary food law, one of the most effective in the United States, directs that the inspector shall furnish evidence of violation to

the prosecuting attorney or shall report such violations to the State Food and Drug Commissioner, who in turn shall issue an order to the offender to abate the conditions complained of. The latter method has been most often followed with gratifying results. With few exceptions conferences with the person or firm affected will bring about a correction of any unsanitary condition or practice.

Co-operation with other state departments and institutions has been continued throughout the year in all cases in which it seemed to be to the best interests of the state.

Aid has also been rendered the various prohibition agents through the examination in the laboratories of suspected liquors.

ADULTERATION AND MISBRANDING OF FOODS AND DRUGS

Adulterated or misbranded foods and drugs have been reduced to the minimum, and when found are usually of state origin. Evidence of adulteration or misbranding in foods or drugs which have entered the state through interstate commerce is usually referred to the United States Bureau of Chemistry, together with properly collected samples. Adulteration of foods is confined largely to that class of perishable goods produced and distributed within the state, such as meats and dairy products.

Of the samples of food examined in the laboratory during the year, 71.4%, exclusive of liquor samples, were classed as legal. Of the 28.6% classified as illegal, the majority of the samples were either dairy or meat products. Near 29% of the 647 samples of butter, condensed milk, cream, ice cream and milk were found adulterated. The highest percentage of adulteration, namely 58%, was found in butter. Adulteration consisted either in low butterfat or high moisture, or both. It is not fair to assume that these figures are representatives of average conditions, since in most cases only suspected samples were taken, but they do indicate that the percentage of adulteration in these products is entirely too high.

Some butchers still persist in adding cereal and sulphites to sausage and hamburger. These are gross adulterations, since both materials make the product appear better than it really is. No doubt many housewives have marveled at the great shrinkage in sausage when prepared for the table. Such shrinkage ceases to be a marvel when it is learned that the addition of three per cent cereal will enable the butcher to incorporate twenty-five per cent of water.

Ninety-five miscellaneous drug samples were analyzed, of which 13.7% were classed as illegal. These samples were of a very miscellaneous character and the results of the analyses do not correctly represent conditions in the open market. The work of the United States Bureau of Chemistry, together with that of the state departments, has greatly improved the quality of standard pharmaceuticals and has done much to bring about the proper labeling of patent medicines.

BEVERAGES

Beverage manufacture has offered a fruitful field for adulteration and misbranding in the past. Inspection and examination of beverages

has shown very greatly improved conditions and the adulterated beverage is now the exception. The sanitation of bottling plants and soft drink dispensaries offers the most difficult problem. Further legislation is needed for the correction of conditions existing in many of these plants, and it is hoped that the Indiana General Assembly will enact a law similar to those of Michigan and Ohio, which have resulted in such marked improvement of sanitary conditions and quality of products in these states. Many Indiana bottlers have expressed themselves very favorably on such legislation.

EGGS

The buying and selling of eggs has caused the members of the department much difficulty. While the State Board of Health has adopted a rule requiring the candling of eggs between April fifteenth and December first of each year, many buyers have failed to comply. Consequently many unfit eggs have gone into our market, which has caused other states to look upon Indiana eggs with suspicion. Many dealers have also disregarded the regulations governing the sale of storage eggs, failing to place upon them the required cold storage card, thus often permitting the customer to buy them under the impression that they are fresh eggs. An egg law similar to that of Illinois and several other states is badly needed. It is believed that at least ninety per cent of the large egg buyers in the state condemn the present practices, but cannot meet the competition of those who refuse to buy only perfect eggs from the producer.

ANALYSIS OF FOODS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922

CLASSIFICATION	Number Legal	Number Illegal	Total
Bakery Products			
Bread.....	7	2	9
Bread-Gluten.....	1		1
Baking Shortening.....		1	1
Baking Powder.....		6	6
Beverages			
Beer.....	15	113	128
Beer-Mash.....		4	4
Cider.....	3	8	11
Grape Wine.....		1	1
Home Brew.....	5	4	9
Liquor.....	1	5	6
Mash.....		1	1
Pop.....	9	2	11
Raisin-Mash.....		1	1
Rye-Mash.....		1	1
White Mule.....	1	1	2
Whiskey.....	1	16	17
Wine.....	1	12	13
Miscellaneous.....		1	1
Butterine.....	1		1
Candy.....	7		7
Cereals.....	1		1
Cereal (wheat product).....	1		1
Corn Flakes.....	1		1
Flour.....	5		5
Rice.....	1		1
Chile Con Carne.....		1	1
Chocolate V. Malted Milk.....		1	1
Cocoa.....	1		1
Coffee.....	2		2
Dairy Products			
Butter.....	40	56	96
Buttermilk.....	1	1	2
Condensed Milk.....	6		6
Cream.....	21	7	28
Ice Cream.....	53	19	72
Ice Cream Mix.....	1		1
Milk.....	339	103	442
Eggs.....		2	2
Egg White.....		1	1
Eskimo Pie.....	1		1
Extracts—Flavoring			
Fountain Flavoring.....	1		1
Lemon.....	4		4
Peach.....	1		1
Vanilla.....	3		3
Feed—Ground.....	1		1
Fruit and Fruit Products			
Apple Butter.....	3		3
Certo Fruit Pectin.....	1		1
Jelly.....	1		1
Apples (canned).....		1	1
Blackberries (canned).....	2	1	3
Cranberries (canned).....		1	1
Elderberries (canned).....		1	1
Oranges (sliced).....	1		1
Peaches (canned).....	1		1
Raspberries (canned).....		1	1
Honey.....	5	1	6

ANALYSIS OF FOODS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922

CLASSIFICATION	Number Legal	Number Illegal	Total
Malted Milk.....	1		1
Meat and Meat Products			
Cereal for Sausage.....		1	1
Hamburger.....	9	11	20
Lard.....	11	1	12
Salmon (canned).....	1	3	4
Sardines.....	1		1
Sausage.....	6		6
Meat Preservative.....	1		1
Mother's Milk.....	31		31
Oysters.....	3	2	5
Pickles.....		1	1
Pig's Feet.....	1		1
Preservative for Tomato Paste.....	1		1
Salad Dressing.....	6		6
Sugar.....	5		5
Syrup			
Maple.....	5	1	6
Molasses.....	2	3	5
Sorghum.....	1	1	2
Vegetable Fats and Oils			
Olive Oil.....	3		3
Vegetables and Vegetable Products			
Beans (canned).....		1	1
Kraut (canned).....	1	2	3
Peas (canned).....	1	1	2
Pork and Beans.....		2	2
Pumpkin (canned).....	1		1
Succotash (canned).....	1		1
Sweet Corn (canned).....	1		1
Tomatoes (canned).....	1	1	2
Catsup.....	5	5	10
Tomato Puree.....		1	1
Tomato Pulp.....	1		1
Vinegar.....	6	5	11
Cider.....	8	4	12
Distilled.....		1	1
Miscellaneous			
Hominy (canned).....		1	1
Horseradish.....	3		3
Peanuts.....		1	1
Salt.....	1		1
Tea.....	1		1
Water.....	2		2
Total.....	671	425	1,096
Number Bacteriological Milk samples analyzed.....			1,018
Grand Total.....			2,114

ANALYSIS OF DRUGS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922

CLASSIFICATION	Number Legal	Number Illegal	Total
"A" Condimentine.....	2		2
Arom. Cascara.....		1	1
Aspirin.....	2		2
Beauty Bleach.....	1		1
Beef, Iron and Wine.....	1		1
Bleaching Cream.....	1		1
Brown Liquid.....	1		1
Castor Oil.....	1		1
Chemical—Unknown.....	2		2
Chicken Feed.....	2		2
Cream Tartar.....	1		1
Drug Solution.....	2		2
Drug—Unknown.....	1		1
Elixir Iron, Quinine and Sulphate.....	1		1
Face Powder.....	1		1
Fruit Tree Spray.....	1		1
Hair Tonic.....	1		1
Hypodermatic Tablets.....	1		1
Linseed Oil—Raw.....	1		1
Linseed Oil.....	6		6
Liniment—Unknown.....	1		1
Liquid—Narcotic.....	3		3
Liquid—Unknown.....	2	1	3
Lydia E. Pinkham's Vegetable Compound.....		1	1
Neat's Foot Oil.....	1		1
Noxine.....	1		1
Oil of Peppermint.....	2	2	4
Ointment and Capsule.....	1		1
Othine—Double Strength.....	1		1
Perice.....	1		1
Phosphate.....	3		3
Pills.....	1		1
Poison.....	1		1
Porcinene.....	1		1
Poultry Compound.....	1	1	2
Preserving Solution.....		1	1
Pyorrhea Remedy.....	1		1
Red Lead.....	1		1
Rx 1000.....		1	1
Salicylic Acid.....		1	1
Salts (Crab Orchard).....	1		1
Salts (Meaker Galvanizing).....	1		1
Shaving Lotion.....	1		1
Snakenen.....	1		1
Soap.....	5		5
Soap Chips.....	2		2
Sodium Salicylate.....	1		1
Solution Citrate Magnesia.....		1	1
Spirits of Camphor.....		1	1
Stomach Contents.....	1		1
Tablets.....	2		2
Tablets—Medicinal.....	3		3
Tablets—Unknown.....	2		2
Talcum Powder.....	1		1
Tepu Herbs.....	1		1
Tincture Iodine.....	1	1	2
Turkey "Organs".....	1		1
Unknown Powder.....	1		1
Unknown Yellow Crystalline Powder.....	1		1
Urine.....	1		1

ANALYSIS OF DRUGS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922

CLASSIFICATION	Number Legal	Number Illegal	Total
Veterinary Capsule.....	1	.....	1
Vitamine Capsule.....	.....	1	1
Wall Paper.....	1	.....	1
Total.....	80	13	93
Miscellaneous Drugs.....	2	.....	2
Total Drugs Analyzed.....	82	13	95

TRAVELING MILK LABORATORY

During the summer of 1921 the Indiana State Board of Health adopted a resolution establishing the traveling milk laboratory as a part of the Department of Food and Drugs. The board stated in its resolution that "The object and work of the traveling milk laboratory is: With the co-operation of local authorities, to secure a pure milk supply for the people." Considerable difficulty and delay was experienced in finding a competent bacteriologist to take charge of the laboratory. Finally Frank C. Wilson, a post-graduate bacteriologist of the Agricultural School of the University of Wisconsin, was secured and began the work on November 1, 1921.

Surveys in seven cities were completed during the remainder of the fiscal year of 1921 and 1922. A summary of the work of the laboratory during this period will show without doubt that much has been done toward the accomplishment of the object of the laboratory as set out by the State Board of Health in its resolution.

PLAN OF OPERATION

Surveys of milk supplies have only been undertaken at the request of local city boards of health, chambers of commerce or interested health and civic associations. The surveys have been made without cost to the cities other than the furnishing of a room for the laboratory equipped with light, heat, water, gas and electric current. Transportation was also requested in the earlier surveys, but as the transportation furnished was usually unsatisfactory in that it could not be depended upon at the time needed, the bacteriologist has been supplied with a Ford coupe. This automobile has proven most useful, since the necessary time for a survey will be reduced almost half. After the laboratory is established in a city, samples of milk, as they are delivered to the consumer, are immediately collected and bacteriological examinations made. This preliminary work is followed by sanitary inspections of all milk plants and of all dairies delivering directly to the consumer. In these inspections an attempt is made to point out to the dairyman or operator of the milk plant causes of any trouble that may have been indicated by the preliminary examination of the milk coming from that individual plant, and instructions given for their correction or removal. By this plan of work it has not been uncommon to secure the elimination of undesirable types of bacteria and the reduction of counts of several

millions to a hundred thousand or less of bacteria per cubic centimeter. Sometimes several follow-up inspections are necessary before the trouble is overcome.

The great value of the work is the educational feature as it relates both to the producer and to the consumer. Harsh methods are not resorted to, but rather co-operation is invited from every source that may lend assistance. As already stated, seven surveys were completed during the year which involved several hundred sanitary inspections and the bacteriological examination of 1,018 samples of milk. Space forbids the report in detail of these surveys, which were completed in the cities of Huntington, Bedford, Shelbyville, Marion, Connersville, Anderson and Muncie.

TANGIBLE RESULTS

As a direct result of the surveys already made, Bedford, Shelbyville and Anderson have adopted ordinances fixing the standards for milk and milk products and providing for sanitary inspection of dairies and milk plants. Connersville and Muncie have ordinances under consideration. Several other towns in close proximity to these cities served have become interested and have passed ordinances.

SPECIAL WORK

In addition to his regular duties the bacteriologist has given many talks before various associations and schools, has taken part in many conferences and has carried on several special investigations. Talks and addresses on milk and allied topics have been given as follows:

Parent-teachers associations	2
Employees of industrial plants	1
Chambers of commerce	2
Civic clubs	17
Schools and high school classes	11
City councils	1
Dairy and milk dealers associations	3
Board of Works	1

Conferences have been held with:

City boards of health	1
City mayors	4
City councils	5
Chambers of commerce	7
City attorneys	2
City health commissioners	3
Directors of sanitariums	1
Officials of tuberculosis associations	2
Individual dairymen	46

Two investigations of typhoid fever epidemics have been made.

These talks and conferences, together with newspaper notices, have widely distributed the results and information obtained in these surveys and has done much to better the milk supplies in the cities served and the surrounding communities.

The work has been well received by dairymen and consumer alike, and both realize that it is not only the purpose of the laboratory to

secure safe milk but a very greatly increased consumption of this indispensable food.

The surveys have demonstrated first, that but few Indiana cities have milk supplies that can be considered wholly safe; second, that health officers and citizens are not taking proper precautions against the spread of contagious diseases by means of milk and the improper handling of milk bottles; third, that our citizens do not realize that milk is the best and only indispensable food for children; fourth, that dairy-men and milk plant operators are willing to produce and distribute safe milk when fully informed upon the subject of safe milk; fifth, that expensive dairy equipment is unnecessary to the production of clean, pure milk; sixth, that lack of attention to small details causes most of the dirty milk and milk with high bacterial counts; seventh, that a pure water supply is a necessity; eighth, that means for sterilization of all utensils and apparatus and the drying of milk cans is absolutely necessary for milk of low bacterial content; ninth, that automatic recording thermometers are indispensable for insuring proper pasteurization; tenth, that individuals, civic and health organizations will support pure milk campaigns when they realize the indispensability of milk, and at the same time understand the grave danger from the use of milk that has not been made entirely safe.

The following table will indicate the nature of the supplies in those cities which have been surveyed and the per capita consumption at the time when the surveys were begun.

CITY	Percentage Milk Pasteurized	Percentage Raw Milk from Tuberculin Tested Herds	Percentage Raw Milk From Untested Herds	Per Capita Consumption Milk in Pints Per Day
Huntington.....	80.00	20.00	.....	0.57
Bedford.....	52.00	30.00	18.00	0.38
Shelbyville.....	.....	100.00 raw	.....	0.48
Marion.....	30.00	12.00	58.00	0.60
Connorsville.....	70.00	.....	30.00	0.62
Anderson.....	62.00	6.00	32.00	0.57
Muncie.....	69.00	6.00	25.00	0.70
Terre Haute.....	93.80	6.20	.....	0.61

SANITARY INSPECTIONS

Five food and drug inspectors have been employed in the work of sanitary inspection of food manufacturing and distributing establishments. These inspectors while endowed with police power have been considered rather sanitary engineers than policemen and have advised and counselled with manufacturers and distributors of foods and drugs in an endeavor to improve the sanitation of all food plants, and the more uniform observance of recognized sanitary practice. To most manufacturers and dealers the inspector is a friend and is so received upon his visits to them. He brings to them suggestions of betterment in their plants, and information relative to the latest sanitary equipment and practice. To the unscrupulous, however, his visit has always been a source of fear. This class of dealers is undoubtedly growing smaller from year to year. The use of automobiles, some the personal

property of the inspectors, and others the property of the department, has made it possible to cover the state more thoroughly than in past years. During the fiscal year which closed on September 30, 1922, the inspectors visited 1,098 cities, towns and villages. This number includes practically every city and town in the state of five hundred inhabitants or more. Many of these places were visited several times during the year. It is unfortunate that available funds will not permit an increase in the inspection staff and the supplying of each inspector with an automobile. It has been found that an inspector can easily triple his inspections through the use of an automobile.

A total of 19,381 first inspections were made and 1,188 follow-up inspections, or a grand total of 20,569, embracing thirty classes of food manufacturing and distributing establishments. The number of inspections is greater by about twenty per cent than the number of inspections made in either of the two previous years. Of the 19,381 places inspected 10,334, or 53%, were classified as good; 7,579, or 39%, fair; 1,287, or 6.5%, poor; 163, or .8%, bad, and only 18, or .2 of one per cent as excellent.

From the standpoint of sanitation the inspection of dairy products, establishments, restaurants, hotels and bakeries is perhaps of the most importance. These establishments all produce or handle goods which are easily contaminated and which are very extensively used in every home. They have likewise offered the greatest difficulties. Cream stations for receiving cream number practically two thousand and dairies are almost countless and so widely distributed that it is practically impossible for the small inspection force of five inspectors to reach them. Ownership of restaurants, especially of the smaller ones, is changing continuously and new restaurants are established. Oftentimes the operator knows but little of the restaurant business and has but very crude conceptions of the sanitary handling of food and the utensils necessary to its preparation and serving. Many of the smaller bakeries also change hands often and new ones are constantly springing up. In many cases a change of ownership prevents the carrying out of instructions given by the inspector and the work must all be repeated with the new proprietor.

It is a pleasure to report that many associations, especially those of retail grocers, bakers, dairy products and beverage manufacturers, have done very much to improve the sanitary conditions of plants and to eliminate objectionable trade practices in their various industries.

All the county fairs held during the year were visited by the inspectors and inspections made of the stands handling foods and drinks, and of garbage disposal and the general sanitation of the grounds. The majority of the stand owners and the fair association officials have co-operated in this work, and it is safe to say that conditions that might affect the health of those attending these fairs are gradually improving. At least four inspectors attended the full session of the State Fair and with the fair officials maintained a very high standard of sanitation in the stands and throughout the grounds.

In addition to the list of inspections already indicated, many special investigations and inspections have been carried on.

BAKERIES

Seven hundred and fifty-nine bakeries were inspected during the year. The majority were rated equally between fair and good. Only eighteen were considered bad by the inspectors. The general improvement of bakeries has been very marked since the Indiana bakery law became effective, July 1, 1919. Some of the largest and best bakeries in the country have been established in the state. The trend in the baking industry is toward automatic machinery, which is reducing hand handling of bakery products to a minimum. Already in some of these plants the loaf is scarcely touched by human hands from the time the mixing is begun until the loaf is baked and wrapped ready for the consumer. Comparatively few violations of the provisions of the bakery law have been discovered. For the most part bakers seem well pleased with the law and are anxious to see it effectively enforced.

CANNING FACTORIES

One hundred and three canning factories were inspected. Here, as in the case of the bakeries, marked improvement is noticeable. Some very splendid plants have been constructed during the past year. If the canners continue to improve their plants and working methods as they have in the past few years, Indiana will soon stand in the front rank.

BOTTLING WORKS

Sixty-nine bottling works were inspected, of which one was graded excellent, 38 good, 21 fair, 7 poor and only 2 bad. A number of modern plants have been constructed within the past two or three years, well supplied with light, ventilation and drainage, elements absolutely necessary in this industry. Automatic machinery is rapidly taking the place of hand methods of the past. The practice of washing bottles by hand in tubs and without chemicals is not only unsatisfactory but dangerous. Fortunately but few plants in the state continue to use this method. All plants of any size and whose operator has in mind the health of the consumer have installed automatic washing and soaking machines in which the bottles are chemically treated in such manner that all harmful bacteria are destroyed.

GROCERY STORES AND MEAT MARKETS

These establishments outnumber those of any other line of the food handling industries and have reached a very gratifying degree of excellency in sanitation. Three thousand two hundred and sixty of the 5,337 groceries inspected were rated good, as against 1,799 rated fair, 243 poor and only 30 bad. Of the 1,977 meat markets 1,142 were rated good, 710 fair, 107 poor and only 18 bad. Almost every Indiana city can boast of one or more groceries and meat markets that meet almost every requirement of the sanitary laws, and in which it is a delight to the housewife to do her buying.

HOTELS AND RESTAURANTS

Hotel and restaurant kitchens and dining-rooms have received the special attention of the inspectors during the year. It is highly necessary to the health of the patrons of these establishments that they meet every requirement for sanitation. Inspectors have insisted upon proprietors giving careful attention to the cleansing of dishes and glasses, cooking utensils and to the disposal of garbage. Also to see to it that ice boxes are kept entirely wholesome and that no spoiled foods of any character are kept in ice boxes or served to the public. Two thousand six hundred and forty-three places were inspected, of which 2 were rated excellent, 1,069 good, 1,348 fair, 202 poor and 22 bad. From these ratings it is evident that too many hotels and restaurants are still in classes below good, despite the improvement that has been brought about during the past five years.

ESTABLISHMENTS MANUFACTURING OR DISTRIBUTING DAIRY PRODUCTS

This industry is so broad that only a greatly increased inspection staff could accomplish the work so seriously needed. The sanitation of dairies offers the greatest difficulty. The bulk of the milk sold in Indiana is produced in dairies of only a few cows each. Dairying in this state is rather a side-line than a distinct business. Improvement of conditions must necessarily be brought about through the educational efforts of the various state departments and civic and industrial associations who may be interested in this great problem.

The creameries for the most part range from fair to good, the former class being entirely too large.

Sanitation of the approximately two thousand cream stations has been improved largely through the efforts of creamery operators in co-operation with the Department of Foods and Drugs.

Ice cream factories rank practically as the creameries, and in fact in a large number of cases creameries, milk plants and ice cream factories are under the same management.

Many modern creameries, ice cream factories and milk plants have recently been built. Many milk plants are installing pasteurizing apparatus, the operators realizing that through this method only can they hope to deliver a safe milk.

The tables which follow will indicate sanitary conditions in those plants which have not been specifically mentioned.

The table of follow-up inspections shows that the number of such inspections made this year was double that of last year.

SUMMARY OF SANITARY INSPECTIONS MADE DURING THE YEAR OF OCTOBER, 1921—
SEPTEMBER, 1922

CLASSIFICATIONS	Number Inspected	Number Excellent	Number Good	Number Fair	Number Poor	Number Bad
Bakeries.....	759	2	326	333	80	18
Barber Shops.....	78		11	47	20	
Bottling Works.....	69	1	38	21	7	2
Canning Factories.....	103		53	38	11	1
Confectioneries.....	1,780	3	1,135	593	44	5
Cold Storage.....	1		1			
Creameries.....	103		56	41	5	1
Cream Stations.....	932		295	436	183	18
Dairies.....	513	1	82	233	162	35
Drug Stores.....	993	3	620	313	56	1
Feed Stores.....	1			1		
Fish Stores.....	39		24	15		
Food Stands.....	165		41	119	5	
Fruit and Vegetables.....	243		154	80	9	
Flour Mills.....	174	1	113	49	11	
Groceries—Wholesale.....	15		12	2	1	
Groceries.....	5,337	5	3,260	1,799	243	30
Hotels and Restaurants.....	2,643	2	1,069	1,348	202	22
Ice Plants.....	28		20	5	2	1
Ice Cream Factories.....	143		86	48	6	3
Ice Cream Parlors.....	790		508	260	22	
Meat Markets.....	1,977		1,142	710	107	18
Milk Plants.....	97		54	33	5	5
Mince Meat Plants.....	1		1			
Poultry and Produce.....	395		161	201	33	
Slaughter Houses.....	45		20	20	5	
Soft Drink Parlors.....	1,907		1,042	800	62	3
Soft Drink Stands.....	48		9	34	5	
Sorghum Factory.....	1				1	
Ware Houses.....	1		1			
Total.....	19,381	18	10,334	7,579	1,287	163

SUMMARY OF FOLLOW-UP INSPECTIONS MADE DURING THE YEAR OF OCTOBER, 1921
—SEPTEMBER, 1922

CLASSIFICATIONS	Number Inspections	Number O. K.	Number Not Satisfactory
Bakeries.....	81	68	13
Confectioneries.....	49	49	
Creameries.....	3	3	
Cream Stations.....	55	46	9
Dairies.....	29	16	13
Drug Stores.....	1	1	
Flour Mills.....	1	1	
Food Stands.....	426	422	4
Groceries.....	33	26	7
Groceries—Wholesale.....	1	1	
Hotels and Restaurants.....	209	189	20
Ice Cream Factories.....	14	14	
Ice Cream Parlors.....	87	87	
Meat Markets.....	18	16	2
Milk Plants.....	4	3	1
Poultry Houses.....	2	2	
Slaughter Houses.....	1	1	
Soft Drink Parlors.....	174	174	
Total.....	1,188	1,119	69

CONDEMNATION NOTICES

When upon inspection of food establishments unsanitary conditions are found which the inspector feels deserves more attention than would be implied by verbal instructions, a report is made to the department which is used as a basis for the issuance of a so-called condemnation

notice or order for improvements. A written notice is sent directly to the proprietor calling his attention to the unsanitary conditions existing, and fixing a date prior to which they must be abated. The sanitary law gives the receiver of the notice five days in which to appear personally before the food and drug commission to show why the improvements ordered should not be made. At the expiration of the time given for the completion of the improvements, a reinspection is made and the case closed if the unsanitary conditions have been abated or improvements made, otherwise the case is presented to the prosecuting attorney for legal action. It is seldom necessary to resort to the courts in this instance. The causes for the issuance of condemnation notices are unsanitary conditions, improper construction, no health certificates, and, in the case of bakers, failure to properly label the bread or for failure to observe the standard weight bread regulation. Improper construction may include lack of facilities for proper lighting, ventilation and drainage or arrangement that will not permit of proper sanitary practices. It usually constitutes some change in the construction of the building or in some of the furnishings.

Five hundred and ninety-five condemnation notices were issued during the year for 1,057 causes which were about equally divided between unsanitary conditions and improper construction. Compliance was obtained in 449 cases without resorting to prosecution. The majority of the remaining cases will be adjusted during the succeeding fiscal year.

SUMMARY OF CONDEMNATION NOTICES ISSUED DURING YEAR OF OCTOBER, 1921—
SEPTEMBER, 1922

CLASSIFICATION	Number Issued	REASONS FOR CONDEMNATION				Orders Complied With and Cases Closed
		Unsanitary Conditions	Improper Construction	No Health Certificates	No Bread Labels	
Bakeries.....	63	57	41	9	11	50
Bottling Works.....	2	1	2			8
Butter Making Place.....	1	1	1			
Candy Factories.....	3	3	3			
Canning Factories.....	1	1	1			
Confectioneries.....	12	12	12			12
Creameries.....						2
Cream Stations.....	157	117	151			138
Dairies.....	110	107	109			35
Dry Bars.....						9
Drug Stores.....	9	9	3			6
Fish Markets.....	1	1	1			
Flour Mills.....	3	2	3			
Groceries.....	33	33	23		1	30
Groceries and Meat Markets.....	25	24	16			3
Hotels and Restaurants.....	5	4	5			4
Ice Cream Factories.....	2	2	2			
Ice Cream Parlors.....						2
Ice Plants.....	1	1				
Meat Markets.....	37	33	26	1		28
Milk Plants.....	6	1	6			4
Poultry Houses.....	1	1	1			
Restaurants.....	110	101	91	5		84
Soft Drink Parlors.....	10	10	7			34
Slaughter Houses.....	2	2	2			
Soda Fountains.....	1		1			
Total.....	595	523	507	15	12	449

PROSECUTIONS

Sixty-three cases were filed for prosecution during the year. Fifty-eight convictions were obtained; one defendant prosecuted for the sale of putrid meat was discharged; another prosecuted for the sale of milk below standard was found not guilty. In two other cases, one of unsanitary conditions and the other the sale of spoiled meat, judgment was withheld by the court.

The following table sets forth the complaint and the result of the prosecution in each case.

PROSECUTIONS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922

County	Name and Address of Defendant	Why Prosecuted	Date of Trial	Final Disposition
Adams	Herbert P. Schmitt, Decatur, Indiana.	Added cereal to hamburger.	Aug. 2, 1922	\$19 50
Adams	E. L. Phillips, Decatur, Ind.	Visible dirt in milk.	Aug. 3, 1922	17 00
Allen	Eckart Packing Co., Ft. Wayne, Ind.	Using sulphites in meats.	Aug. 3, 1922	20 00
Allen	Frank Parrott, Ft. Wayne, Ind.	Using sulphites in meats.	Aug. 3, 1922	20 00
Allen	Daniels Brothers, Ft. Wayne, Ind.	Using sulphites in meats.	Aug. 3, 1922	20 00
Allen	Chas. Lichte, Ft. Wayne, Ind.	Exposing candy.	Nov. 25, 1921	Case suspended
Allen	Otto Bonehoon, Ft. Wayne, Ind.	Exposing candy.	Nov. 26, 1921	Case suspended
Allen	Daniels Brothers, Ft. Wayne, Ind.	Selling meats containing sulphites.	Dec. 16, 1921	20 00
Allen	Fred Eckhart, Ft. Wayne, Ind.	Selling meats containing sulphites.	Dec. 16, 1921	20 00
Allen	Frank Parrott, Ft. Wayne, Ind.	Selling meats containing sulphites.	Dec. 16, 1921	20 00
Allen	E. G. Shimer, Ft. Wayne, Ind.	Selling meats containing sulphites.	Dec. 16, 1921	20 00
Allen	Hoosier Stores Co., Ft. Wayne, Ind.	Selling meats containing sulphites.	Dec. 16, 1921	20 00
Clinton	O. H. Gladding, Frankfort, Ind.	Selling bread which did not have label stating weight and name of manufacturer.	May 5, 1922	20 00
Decatur	Edgar Ford, Greensburg, Ind.	Selling adulterated butter.	Dec. 18, 1921	19 50
Delaware	J. M. Kidwell & Son, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 10, 1922	20 00
Delaware	Emma Wiley, Muncie, Ind.	Operating unsanitary grocery store.	June 10, 1922	20 00
Delaware	Nathan A. Thornburg, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 10, 1922	20 00
Delaware	Roy M. Johnson	Selling milk containing visible dirt.	June 9, 1922	20 00
Delaware	Elmer D. Davis, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 9, 1922	20 00
Delaware	Hurst Brothers, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 9, 1922	20 00
Delaware	H. Rolf, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 9, 1922	20 00
Delaware	Chas. Hofer, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 8, 1922	20 00
Delaware	Geo. M. Nardo, Muncie, Ind.	Spoiled meat in ice box for sale for human consumption.	June 8, 1922	20 00
Grant	B. S. Atkins, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	Chas. Chambliss, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	Martin Koldyke, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	John W. Smith, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	Frank Gardland, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	Ot. J. Skinner, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	Jas. Carey, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Grant	W. M. Hillsamer, Marion, Ind.	Selling milk containing visible dirt.	Apr. 8, 1922	20 00
Hamilton	Sam Boyowski, Noblesville, Ind.	Buying chickens short weight over fraudulent scales.	Nov. 10, 1921	19 50
Henry	Chester Lane, Spiceland, Ind.	Selling a hog unfit for human consumption.	Apr. 10, 1922	62 80
Henry	Oscar Ellison, Newcastle Ind.	Having butchered for sale, for food, a diseased cow.	Mar. 17, 1922	Not guilty

PROSECUTIONS MADE DURING THE YEAR OF OCTOBER, 1921—SEPTEMBER, 1922—Continued.

COUNTY	Name and Address of Defendant	Why Prosecuted	Date of Trial	Final Disposition
Madison.....	W. C. Carter, Elwood, Ind.	Selling dirty milk.....	Sept. 14, 1922	20 00
Madison.....	John Keifer, Elwood, Ind.	Failing to candle eggs.....	Sept. 15, 1922	20 00
Madison.....	John McCune, Manager Federal Bakery, Elwood, Ind.	Failing to label bread properly.....	Sept. 15, 1922	20 00
Madison.....	Joe Brown, Manager Home Bakery, Elwood, Ind.	Short weight bread (misbranding).....	Sept. 14, 1922	20 00
Madison.....	Emery Eelerman, Elwood, Ind.	Selling dirty milk.....	Sept. 15, 1922	20 00
Madison.....	Chas. Cogan, Elwood, Ind.	Bread not labeled.....	Sept. 14, 1922	20 00
Madison.....	R. H. Martz, Elwood, Ind.	Failing to candle eggs.....	Sept. 15, 1922	20 00
Madison.....	Sam Capsurias, Elwood, Ind.	Decomposed and putrid meat.....	Sept. 14, 1922	10 00
Madison.....	Indiana Ice & Dairy Co., Anderson, Ind.	Selling dirty milk and cream.....	Aug. 1, 1922	20 40
Madison.....	H. J. Tindall, Anderson, Ind.	Selling milk containing visible dirt.....	Aug. 8, 1922	20 40
Madison.....	W. H. Schlegel, Anderson, Ind.	Selling milk containing visible dirt.....	Aug. 8, 1922	20 40
Madison.....	Underwood & Paterson, Fairview Dairy, Anderson, Ind.	Selling unlabeled bread.....	Aug. 1, 1922	20 40
Madison.....	John Strader, Anderson, Ind.	Selling unlabeled bread.....	Aug. 8, 1922	20 40
Madison.....	Sherman S. Porter, Anderson, Ind.	Selling unlabeled bread.....	Aug. 1, 1922	20 40
Madison.....	Chas. R. Johnson, Summitville, Ind.	Selling incubator eggs.....	June 27, 1922	20 00
Madison.....	A. A. Anderson, 1926 N. Illinois St., Indianapolis, Ind.	Operating unsanitary market.....	Apr. 21, 1922	21 00
Marion.....	Frank W. Abbe, Indianapolis, Ind.	Adulterated cream.....	Dec. 24, 1921	40 00
Marion.....	Steinmetz, Stand on Market, Indianapolis, Ind.	Selling putrid meat.....	Apr. 25, 1922	Discharged
Putnam.....	James Moore, Greencastle, Ind.	Selling food under unsanitary conditions.....	Dec. 15, 1921	20 00
Tippecanoe.....	Earl Ardinger, LaFayette, Ind.	Selling milk below standard.....	Apr. 1, 1922	Not Guilty
*Vigo.....	Samuel Johnson, Terre Haute, Ind.	Selling coal by the basket and not weighing.....	Dec. 2, 1921	25 00
Vigo.....	E. E. Kress, Terre Haute, Ind.	Operating under unsanitary conditions.....	Jan. 18, 1922	20 00
Vigo.....	Jack Waldman & Herman Klusmeier, Terre Haute, Ind.	Operating under unsanitary conditions.....	Jan. 18, 1922	Judgment withheld
Vigo.....	Clem Nagle, Terre Haute, Ind.	48 pounds spoiled meat.....	Jan. 20, 1922	20 00
Vigo.....	W. C. Rogers, Terre Haute, Ind.	31 pounds spoiled meat.....	Jan. 25, 1922	20 00
Vigo.....	J. B. Nichols & S. L. Ferrell, Terre Haute, Ind.	18 pounds spoiled meat.....	Jan. 25, 1922	Judgment withheld
Wabash.....	Chas. Klinger, Wabash, Ind.	Selling unlabeled bread.....	May 9, 1922	20 00
Wabash.....	W. M. Fay, Wabash, Indiana.	Selling unlabeled bread.....	May 9, 1922	20 00
Wabash.....	Frank Howell, Wabash, Ind.	Putrid meat in ice box and unsanitary conditions.....	May 9, 1922	20 00

*Prosecution made by J. A. Buck.

PROSECUTIONS, OCTOBER, 1921—SEPTEMBER, 1922

- 1 Adulterated butter.
- 1 Adulterated cream.
- 6 Bread not labeled.
- 1 Buying chickens short weight over fraudulent scales.
- 1 Cereal in hamburger.
- 2 Exposing candy.
- 2 Failing to candle eggs.
- 1 Failing to label bread properly.
- 1 Having butchered for sale, for food, a diseased cow.
- 1 Operating unsanitary grocery.
- 1 Operating unsanitary market.
- 1 Selling a hog unfit for human consumption.
- 1 Selling incubator eggs.
- 2 Selling food under unsanitary conditions.
- 1 Selling milk below standard.
- 1 Selling coal by the basket and not weighing.
- 1 Short weight bread (misbranding).
- 13 Spoiled meat in ice box for sale for human consumption.
- 8 Using sulphites in meats.
- 17 Visible dirt in milk.
-
- 63 Total.

REPORT OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES

The Department of Weights and Measures is charged with the enforcement of the following laws: first, the general weights and measures act of 1911, which provides for standard weights and measures and their custody; specifies the manner of selecting and appointing city inspectors; defines violations and fixes penalties; requires the testing once each year of all weighing and measuring devices of all state institutions under the jurisdiction of the Board of State Charities; requires the checking of standards of local inspectors biennially and directs that tests of weighing and measuring devices be made upon request from any private citizen; second, the sale by weight law of 1917, which requires that practically all fruits, vegetables and seeds be sold by weight, except those commonly sold by numerical count and except berries and small fruits; third, the bushel weight law of 1917, which defines the weight of a bushel of the common vegetables, fruits and seeds; fourth, the law of 1921, which is supplementary to Section 8 of the general act and makes it an offense for any buyer of live stock, grain, feed, junk or other commodity to use false measuring devices or in any way to make false representation regarding weight.

Two state inspectors and twenty-three local inspectors, exclusive of deputies, have been engaged in enforcing the provisions of the various laws.

EXTENSION OF LOCAL INSPECTION

The compilation of inspections of the local departments for the fiscal year, and which has been made a part of this report, is the strongest argument for the extension of weights and measures inspection to every county in the state. This compilation shows that a large portion of the weights and measures devices of the state are inaccurate and that large sums of money are lost to buyers and sellers every year. It is said that the United States Government employs six thousand persons in order to insure accuracy in the money that is coined in the

United States every year. Few people stop to think that every operation of weighing or measuring in daily trade consists in reality in the weighing or measuring of money, since every commodity so weighed or measured has a corresponding money value. Despite this fact, but few people take any precaution to make sure that the weighing or measuring is performed accurately on accurate weighing or measuring devices. If the government can afford to pay six thousand salaries to insure accuracy in our coinage, it would seem good economic policy to employ a comparatively few persons to insure accuracy in weighing and measuring operations in which millions of dollars of value are concerned. Under the present state organization not more than one-fourth the citizens are served by daily systematic inspection. The remaining three-fourths of our citizens must depend upon the comparatively slight service that can be rendered by two state inspectors. It is unnecessary to state that two inspectors cannot adequately perform this immense amount of work, and that the only solution is the extension of the state department together with whatever extension of local service it is possible to secure.

ROUTINE INSPECTION

All scales and measuring devices of each of the institutions under the jurisdiction of the Board of State Charities have been tested during the year, as required by law. For the most part these devices were found accurate within the tolerances permitted. In few cases recommendations for repairs or for the purchase of new instruments were made.

The standards of local city and county sealers have been checked in accordance with the provisions of the law requiring biennial testing.

The department's food, drug and weights and measures exhibit has been shown at several local fairs and pageants of progress during the year. It has created much interest and much favorable comment from those who have seen it. Inspectors of the department have conducted many special investigations, both independent and in conjunction with local departments. These investigations have resulted in a number of adjustments which otherwise would have been settled at very great expense in the courts. It has been the policy of the department to cooperate with all individuals and associations when it seemed to the best interests of the state. Farmers' organizations, county agents and others have rendered the department very valuable service. The number of requests from private citizens for tests of weighing and measuring devices has continued to increase and at times has taxed the facilities for such work. The larger number of these requests are for tests of heavy wagon and truck scales.

SCALES

The inspectors of the department have tested 1,916 scales of all descriptions, of which only 64.5% were found correct. The remaining 35.5% were either adjusted, condemned for repairs or confiscated. The inaccurate scales have not been found always weighing against the consumer, but in many cases were causing loss to the dealer. The results

of the inspection work of the various weights and measures departments has caused the installation of a large number of new wagon and truck scales of modern type throughout the state. Never in the history of the department has there been such wide interest manifested in accurate weighing devices.

A total of 40,144 scales of all varieties were tested in the state during the fiscal year. Of this number only 68.7% were passed as accurate. The percentage of accurate scales is very much higher than this figure in many of the cities and counties that have had systematic inspection for a number of years. In other cities and counties where inspection has only been carried on for a short time the percentage is considerably lower. These statistics do not necessarily show that there is a large number of unscrupulous dealers in the state, but they do show very conclusively that scales are delicate pieces of mechanism which must have constant care and oversight if they are to be kept in a condition fit for use.

WEIGHTS

Of the 22,710 weights which were tested 96.4% were found accurate. This high percentage of accuracy of course is explained by the fact that weights are only pieces of metal and have no delicate construction to wear or get out of order.

DRY MEASURES

Ninety-six and eight-tenths per cent of the 7,132 dry measures tested were accurate. The dry measures reported consisted largely of berry boxes, which have become largely standardized. Early in the season a survey of the basket manufacturers in this section of the country was made both by the state inspectors and by the United States Bureau of Standards. Only two or three manufacturers were found to be manufacturing boxes or baskets of short measure. These manufacturers took immediate steps to make corrections and it is believed that no appreciable number of short measure boxes or baskets reached the Indiana market during the past season.

LIQUID MEASURES

Seven thousand one hundred and thirty-two liquid measures were tested, of which 95.2% were found correct within the permitted tolerances. This high percentage of satisfactory liquid measures is due to the fact that manufacturers are universally complying with the federal and state regulations. Manufacturers are aware that all inaccurate liquid measures will be confiscated, hence they do not care to take the chance of the financial loss thus incurred. Aside from being accurate in volume, liquid measures should be constructed of a good quality of tin or copper. The larger number of the 341 measures condemned were condemned because the metal was of light weight and had become badly dented from use. The consumer can guard against short measure by making certain that all measures have smooth, straight sides entirely free from dents.

LINEAR MEASURES

Ninety-four and five-tenths per cent of the 1,942 linear measures examined were passed. The most common linear measure is the common yard stick. All such sticks which are not provided with metal ferrules to protect the ends from wear are condemned. All customers should refuse to buy goods measured by tacks driven in the counter. This method of measurement offers many opportunities for fraud.

GASOLINE PUMPS

No class of measuring devices is of greater interest or importance today than the gasoline pump. In 1921 the consumption of gasoline in Indiana was practically one hundred and fifty million gallons at an approximate cost to consumers of thirty-four million dollars. When it is considered that the bulk of this gasoline is sold through the gasoline pump, the supreme importance of accuracy in these pumps is at once realized. A gasoline pump from the very nature of its construction will more often measure against the consumer if incorrect rather than in his favor. Shortages are usually caused by leakage of foot valves or at some joint in the pipes. The state department inspected 184 gasoline pumps during the year in widely separated localities and found 48.4% of them inaccurate. Local inspectors tested 4,094 pumps, of which 27.4% were found inaccurate. In some of these counties and cities where local inspection has been established for a number of years, the proportion of inaccurate pumps was found to be less than ten per cent. In one county where local inspection was only recently established 68% of the pumps were found to be incorrect. In communities in which systematic inspection has been established and maintained the average percentage of incorrect pumps, as indicated by the statistics, is 21% less than in communities where only occasional inspection is made by the state inspectors. This fact is a very strong argument for state-wide systematic inspection. The large oil companies have instructed operators of gasoline pumps to test them each morning before the day's business begins. It is doubtful, however, if all the operators comply with these instructions, judging from the results of inspection. A very large number of pumps are operated independently by persons who are not mechanics and who are not familiar with the construction of gasoline pumps, hence are not in a position to insure their accuracy. Only constant and careful supervision of gasoline pumps, especially the blind type, can insure the purchaser against loss.

TOTAL INSPECTIONS

The total inspections made, exclusive of special investigations, by all inspectors in Indiana was 111,491. No one can estimate the saving in money to the citizens of Indiana through this splendid work. The value of these departments does not depend so much upon the tricks and shortages and inaccuracies discovered, as upon those savings brought about through the prevention of the use of inaccurate weighing and measuring devices and through the fear of the unscrupulous dealer of being caught in his nefarious practices.

The following tables show in detail the work of the state department as well as that of all local city and county departments:

SUMMARY OF INSPECTIONS OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES FOR THE YEAR ENDING OCTOBER 1, 1922

I. L. MILLER, COMMISSIONER F. W. TUCKER, CHIEF INSPECTOR RICHARD WHITE, FIRST ASSISTANT INSPECTOR

NAME OF SEALER	JURISDICTION	Scales					Weights					Dry Measures				
		Correct	Adjusted	Condemned	Confiscated	Re-Inspected	Total	Correct	Adjusted	Condemned	Confiscated	Re-Inspected	Total	Correct	Confiscated	Total
F. W. Tucker, Chief Inspector.	State.....	237	22	164	4	15	427	231	10	22	.....	.....	263	2	.....	2
R. P. White, Asst. Inspector ..	State.....	999	66	405	4	.....	1,439	613	20	4	.....	.....	637	1	1	2
J. A. Buck.....	Terre Haute.....	1,768	143	114	6	.....	2,031	59	41	11	.....	.....	111	1	.....	1
J. L. Soden.....	Vincennes-Knox Co.....	1,387	75	104	.....	43	1,609	2,140	14	9	.....	.....	2,163	21	16	37
C. S. Williams.....	Kokomo-Howard Co.....	804	207	128	5	367	1,511	580	1	11	.....	197	789	42	.....	42
Mrs. M. P. Riddle.....	Indianapolis.....	8,760	5,027	408	363	416	14,974	10,227	7	.....	31	.....	10,265	6,425	.....	6,425
Geo. C. Russell.....	Vigo County.....	903	74	100	.....	63	1,140	640	15	25	.....	.....	680	.....	.....	.....
O. M. Harness.....	Cass County.....	521	44	3	3	42	691	164	12	.....	25	.....	201	.....	.....	.....
B. B. Miller.....	South Bend.....	1,292	15	136	46	.....	1,489	730	.....	2	.....	.....	732	.....	.....	.....
C. B. Tolan.....	Ft. Wayne.....	1,971	319	98	33	21	2,442	370	.....	8	.....	.....	378	.....	3	3
Frank Fowler.....	LaFayette.....	318	21	21	.....	772	1,111	.....	11	14	.....	.....	414	4	3	7
M. S. Bott.....	Grant County.....	1,771	203	93	.....	117	389	1,039	.....	26	9	.....	1,074	.....	.....	.....
Felix Cronin.....	Richmond.....	684	67	103	9	37	900	114	12	12	.....	.....	138	.....	.....	.....
O. S. Austin.....	Huntington.....	655	68	71	9	22	825	74	.....	1	.....	.....	75	.....	.....	.....
E. C. Meyers.....	Elkhart.....	767	16	55	8	455	838	74	.....	8	.....	.....	1,812	30	34	65
J. B. Lupton.....	Delaware County.....	924	14	95	.....	.....	1,496	1,804	607	8	.....	.....	615	31	51	51
B. H. Peterson.....	E. Chicago.....	529	199	51	.....	10	1,607	779	.....	22	.....	.....	49	38	4	42
H. C. Hunter.....	Hammond.....	111	38	1	4	10	164	27	.....	103	.....	.....	1,739	38	.....	.....
S. M. Symmes.....	Crawfordsville & Montgomery Co.....	2,125	207	115	.....	161	2,608	1,636	18	22	.....	.....	270	.....	.....	.....
Louis Oehlman.....	Evansville.....	732	111	113	7	54	1,017	230	.....	.....	.....	.....	.....	.....	.....	.....
Howard Hay.....	Lake County.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
A. C. Huber.....	Gary.....	125	29	9	.....	.....	163	254	16	6	.....	.....	276	.....	.....	.....
Geo. Kepler.....	Lagrange.....	212	15	4	.....	25	256	25	2	2	.....	.....	29	.....	.....	.....
Ed. Hall.....	Columbus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
R. C. Hamilton.....	New Castle.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Total.....	.....	27,595	6,996	2,432	501	2,620	40,144	21,953	167	316	77	197	22,710	6,595	112	6,707

SUMMARY OF INSPECTIONS OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES FOR THE YEAR ENDING OCTOBER 31, 1922

I. L. MILLER, COMMISSIONER F. W. TUCKER, CHIEF INSPECTOR RICHARD WHITE, FIRST ASSISTANT INSPECTOR

NAME OF SEALER	JURISDICTION	LIQUID MEASURES			LINEAL MEASURES				GASOLINE PUMPS					
		Correct	Condemned	Total	Correct	Condemned	Repaired	Total	Correct	Adjusted	Condemned	Condemned for Repairs	Total	Articles Re-weighed
F. W. Tucker, Chief Inspector...	State.....	42	2	42	4	1	1	7	42	18	4	19	83	.....
R. P. White, Assistant Inspector.	State.....	4	2	6	.....	2	.....	7	53	45	1	2	101	.....
J. A. Buck.....	Terre Haute.....	8	8	8	12	.....	.....	12	83	21	48	.....	152	3
J. L. Soden.....	Vincennes-Knox County.....	983	75	1,058	116	.....	8	124	307	102	49	18	476	1,907
C. S. Williams.....	Kokomo and Howard County.....	97	20	117	71	.....	42	115	96	46	39	119	300	889
Mrs. M. P. Riddle.....	Indianapolis.....	2,313	24	2,337	983	5	.....	993	600	2	21	31	654	20,118
Geo. C. Rossell.....	Vigo County.....	584	51	635	23	.....	.....	23	169	16	10	10	205	.....
O. M. Harness.....	Cass County.....	156	34	190	4	.....	.....	4	96	46	10	3	155	284
B. B. Miller.....	South Bend.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76
C. B. Tolan.....	Ft. Wayne.....	452	26	478	.....	.....	.....	.....	205	99	.....	2	306	385
Frank Fowler.....	LaFayette.....	298	11	309	124	3	.....	127	54	4	14	.....	72	.....
M. S. Bott.....	Grant County.....	309	26	335	53	12	.....	65	172	73	5	19	269	303
Felix Cronin.....	Richmond.....	129	4	133	.....	.....	.....	.....	89	11	6	4	110	240
O. S. Austin.....	Huntington.....	184	58	242	.....	.....	.....	.....	109	17	10	11	147	1
E. C. Meyers.....	Elkhart.....	3	.....	3	.....	.....	.....	.....	39	4	1	.....	44	.....
J. B. Lupton.....	Delaware County.....	644	1	645	.....	.....	.....	.....	156	14	24	29	223	3,385
B. H. Peterson.....	E. Chicago.....	138	3	141	24	.....	.....	24	21	.....	.....	.....	23	733
H. C. Hunter.....	Hammond.....	6	.....	6	.....	.....	.....	.....	30	11	1	.....	42	90
S. M. Symmes.....	Crawfordsville and Montgomery Co.....	256	4	260	8	2	.....	10	568	80	10	.....	658	60
Louis Oehlman.....	Evanston.....	160	2	162	98	2	.....	100	83	14	15	3	115	209
Howard Hay.....	Lake County.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
A. C. Huber.....	Gary.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Geo. Kepler.....	Lagrange.....	4	.....	4	240	21	.....	261	78	19	2	.....	90	50
Ed. Hall.....	Columbus.....	21	.....	21	72	4	.....	76	21	.....	2	21	44	45
R. C. Hamilton.....	New Castle.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand To al.....	.....	6,791	341	7,132	1,837	54	51	1,942	3,071	642	274	291	4,278	28,578

REPORT OF THE WATER AND SEWAGE DEPARTMENT

I. L. MILLER, Chief of Division of Chemistry.

L. A. GEUPEL, Director, Water and Sewage Department.

*H. W. DEUKER, Senior Chemist and Bacteriologist.

B. H. JEUP, Senior Chemist and Bacteriologist.

LELAH BARNES, Assistant Water Chemist and Bacteriologist.

MARION S. CAMPBELL, Laboratory Assistant.

As many field surveys and inspections of the public water supplies were made throughout the year as were possible with the limited personnel available. In most instances the courtesy and co-operation of the water works officials, local city and town officials and health authorities greatly assisted the work of the Water and Sewage Department.

In general the public water supplies are being developed in a very efficient manner and the water delivered to the consumer is of good quality and meets the requirements of the standards set down by the best engineering and laboratory practice. Any requests or recommendations included in reports of surveys or inspections are always made with the thought of assisting the public at large in maintaining the best health conditions possible.

The summer months of 1922 have shown the water departments and companies that a sufficient amount of water must be conserved that an adequate supply for extreme emergency may be available. Such cities as Bloomington, Elkhart, Bicknell, Columbia City, Frankfort, Franklin, Laporte, Mishawaka, Plymouth and Tipton have been forced to increase their sources of water supply. The possible danger hazards to which cities are subjected, due to a depletion of their water supplies, are causing the public as well as public officials and water works executives to realize that an adequate satisfactory water supply for all needs is a most important factor in the development of good health and comfort as well as the economical growth of a city. In the State of Indiana there are still too many cities and towns on the "questionable list" and until their city officials realize the necessity of a wholesome, adequate water supply the growth as well as the good health of the city is at stake. The city of Bloomington, which had an impounded supply, is at present without sufficient water for its needs and should serve as a warning to all cities to guard most jealously the quantity and quality of their water supplies.

Field inspections and surveys made in conjunction with laboratory analyses have indicated the water supplies of the following cities and towns to be periodically of questionable quality: Huntingburg, Owensville, Oakland City, Lanesville, Leavenworth, Royal Center, Salem, West Lebanon, Rochester and Jasonville. There are a few cities and towns which supply water to their consumers that cannot be termed potable at any time and, so far as the department is informed, have made no pretense of furnishing water of a satisfactory quality for drinking purposes. In this class may be included Batesville, Hazleton, Marengo, Petersburg, Winamac, Vernon, Vevay and Rochester. Syracuse and

*Resigned July 31, 1922.

Hobart are making changes in their sources of water supply which it is hoped will render them potable.

Satisfactory and efficient water supplies, sewerage systems and sewage disposal plants are very important to a growing industrial city. The city of Gary was planned in advance to have a satisfactory water supply and an adequate sewerage system. The city has grown under industrial influence from a community of a few persons to a city of 56,000 in less than twenty years. It is an assured fact that large industries and manufacturers refuse to locate their plants in cities not having sufficient safe water supplies and sewerage facilities.

The streams of Indiana are known to be grossly polluted. Several cities have already installed sewage treatment plants, and in the near future many other cities which discharge their sewage into rivers, lakes or small streams will be compelled to consider the problem in order that the community located downstream may not be endangered. The city of Indianapolis was forced to construct a sewage treatment plant because its sewage was polluting White River for a distance of many miles below the city. Inasmuch as Indianapolis takes its water supply largely from White River, other cities located above and emptying raw sewage into the river should make investigations of the conditions produced and take whatever steps necessary to prevent dangerous pollution. The Grand Calumet River is grossly polluted and should be made more sanitary. To accomplish this all industries discharging sewage into the river and the cities of Hammond, East Chicago and Whiting should make joint sanitary surveys looking to the elimination of existing unsatisfactory conditions at the earliest possible date. With small streams and limited flows in dry, hot weather, smaller communities should make investigations of their sewerage conditions and act to prevent nuisances. Many citizens hold the opinion that their city is not liable for nuisances and since the putrefying sewage is discharged from the sewer into the small stream some distance away from the city and as the odor and nuisance does not bother them the contaminated stream is forgotten. However, suits have been instituted and damages paid by cities for allowing this practice to continue. Industries, including canneries, tanneries, condensed milk companies, chemical manufacturers, food product companies are also liable when the waste products from their factories pollute the nearby streams to such an extent that residents in the vicinity suffer from the odor and stench created by putrefying wastes.

Sanitary surveys on pollution have been made during the year at Newcastle, Brookville, Brazil, Marengo, Connersville, Lebanon, Lawrenceburg, Michigan City, Oakland City, Bethany Park, Gary, University Heights, Shelbyville, Frankfort, Huntingburg, Mulberry, Sellersburg, Huntington, Broad Ripple, Lake Wawasee, Mount Vernon, Waterloo and Bloomington.

The most important function of the Water and Sewage Department is the protection and the advancement of health and comfort of living. The department earnestly desires to render a service to the citizens of the state by collecting and submitting accurate information pertaining to sanitary conditions and practices, thus enabling the citizens to re-

quest and obtain efficient and safe operation and supervision of local plants.

The number of analyses made by the laboratory has been increased over sixteen per cent for the year 1922 as compared with the year 1921. Examinations have been made of practically every public water supply in the state. All bottled, commercial waters, soft drinks and ice supplies have been examined as required by the water analysis act of 1919, Chapter 166. The director of the Water and Sewage Department is, by appointment, collaborating sanitary engineer of the United States Public Health Service. This appointment gives the Water and Sewage Department jurisdiction over the water supplies furnishing water to interstate carriers for drinking. Three thousand nine hundred forty-six samples were examined in the laboratory during the fiscal year. Bacteriological analyses were made on 2,400 samples and chemical and bacteriological analyses on 1,546 samples.

The tabulations following show the distribution of these samples as to source and quality. The last table shows a summary of analyses covering the water treatment plants in the state, giving the percentage of satisfactory tests for comparison, together with the source of supply.

TABLE NO. 1

Total Samples Analyzed for the Year 1921-1922

	Deep Wells	Shallow Wells	Cisterns	Springs	Ponds and Lakes	Streams	Miscellaneous	Ice	Com'l and Bottled Waters	Total
Good.....	764	262	10	85	95	511	99	293	415	2,534
Bad.....	331	563	34	79	44	170	84	45	62	1,412
Total.....	1,095	825	44	164	139	681	183	338	477	3,946

TABLE NO. 2

Total Chemical Samples Analyzed for the Year 1921-1922

	Deep Wells	Shallow Wells	Cisterns	Springs	Ponds and Lakes	Streams	Miscellaneous	Ice	Com'l and Bottled Waters	Total
Good.....	508	135	9	35	14	35	3	4	3	746
Bad.....	221	450	26	55	10	33	5	.....	.....	800
Total.....	729	585	35	90	24	68	8	4	3	1,546

TABLE NO. 3

Total Bacteriological Samples Analyzed for the Year 1921-1922

	Deep Wells	Shallow Wells	Cisterns	Springs	Ponds and Lakes	Streams	Miscellaneous	Ice	Com'l and Bottled Waters	Total
Good.....	256	127	1	50	81	476	96	289	412	1,788
Bad.....	110	113	8	24	34	137	79	45	62	612
Total.....	366	240	9	74	115	613	175	334	474	2,400

TABLE No. 4

Total Private Supplies Examined for the Year 1921-1922

	Deep Wells	Shallow Wells	Cisterns	Springs	Ponds and Lakes	Streams	Miscellaneous	Ice	Com'l and Bottled Waters	Total
Good.....	454	164	10	43	7	1	99	293	415	1,486
Bad.....	277	550	34	66	10	23	84	45	62	1,151
Total.....	731	714	44	109	17	24	183	338	477	2,637

TABLE No. 5

Total Public Supplies Examined for the Year 1921-1922

	Deep Wells	Shallow Wells	Cisterns	Springs	Ponds and Lakes	Streams	Miscellaneous	Ice	Com'l and Bottled Waters	Total
Good.....	310	98	.....	42	88	510	.....	.....	.....	1,048
Bad.....	54	13	.....	13	34	147	.....	.....	.....	261
Total.....	364	111	.....	55	122	657	.....	.....	.....	1,309

TABLE No. 6

Quality of Supplies Expressed in Percent.

SOURCE	Private Supplies	Public Supplies	Per Cent Good		Per Cent Bad	
			Private	Public	Private	Public
Deep Wells.....	731	364	62.11	85.17	37.89	14.83
Shallow Wells.....	714	111	22.97	88.29	77.03	11.71
Cisterns.....	44	.....	22.73	.....	77.27	.....
Springs.....	109	55	39.45	76.37	60.55	23.63
Ponds and Lakes.....	17	122	41.18	72.13	58.82	27.87
Streams.....	24	657	4.35	77.63	95.65	22.37
Miscellaneous.....	183	.....	54.10	.....	45.90	.....
Ice.....	338	.....	86.69	.....	13.31	.....
Commercial and Bottled Waters.....	477	.....	87.00	.....	13.00	.....
Total.....	2,637	1,309	56.36	80.06	43.64	19.94

SUMMARY WEEKLY BACTERIOLOGICAL REPORTS ON FILE OCTOBER, 1921, TO OCTOBER, 1922,
WATER AND SEWAGE DEPARTMENT INDIANA STATE BOARD OF HEALTH

NAME OF CITY WHERE PLANT IS LOCATED	No. of Tests		Good Tests		Per Cent Good		General Remarks
	1 cc.	10 cc.	1 cc.	10 cc.	1 cc.	10 cc.	
Anderson.....	68	170	67	161	98.5	94.7	White River—Filtered—Chlorinated.
Aurora.....	62	155	62	151	100.0	97.4	Ohio River—Filtered—Chlorinated.
Bedford.....	78	195	78	188	100.0	96.4	White River—Settled.
*Bloomington.....	6	15	6	12	100.0	80.0	Impounded—Settled—Chlorinated.
*Brazil.....	4	10	4	10	.....	.....	Wells—Chlorine reserve.
Boonville.....	56	140	47	102	83.8	72.8	Impounded—Chlorinated (only).
†Columbus.....	76	190	72	168	94.7	83.2	Driftwood River—Filtered—Chlorina'd.
Corydon.....	48	120	45	111	93.7	92.5	Surface Spring—Chlorinated.
*Covington.....	2	5	2	5	.....	.....	Spring Wells—Chlorine reserve.
East Chicago.....	1,304 Samples—Total Percentage 99.26						Lake Michigan—Filtered—Chlorinated.
Evansville.....	1,444	1,805	1,444	1,756	100.0	97.3	Ohio River—Filtered—Chlorinated.
*Gary.....	2	5	2	5	.....	.....	Lake Michigan—Chlorinated.
Greencastle.....	80	200	73	164	91.2	82.0	Walnut Creek—Filter gallery—Chlorine.
Greenwood.....	102	255	102	244	100.0	95.7	Wells 56 feet deep—Hypochlorite.
*Hammond.....	4	10	4	10	.....	.....	Lake Michigan—Chlorinated.
†Indianapolis.....	1,304 Samples—Total Percentage 98.7						White River—Filtered—Chlorinated.
Jasper.....	70	140	69	110	98.6	78.5	Patoka River—Filtered (only).
Lebanon.....	92	230	90	224	98.9	97.4	Wells—Chlorinated.
Liberty.....	24	60	24	52	100.0	86.6	Spring—Chlorinated.
Logansport.....	88	220	86	207	97.7	94.1	Eel River—Filtered—Chlorinated.
*Michigan City.....	2	5	2	5	.....	.....	Lake Michigan—Chlorinated.
Mitchell.....	46	115	38	88	82.6	76.5	White River—Filtered—Chlorinated.
*Mt. Vernon.....	6	15	6	15	.....	.....	Ohio River—Filtered—Hypo.
†Montpelier.....	54	135	50	128	92.6	94.7	Salamonie River—Filtered—Chlorina'd.
†Muncie.....	70	175	68	161	97.1	92.0	White River—Filtered—Chlorinated.
New Albany.....	102	255	99	241	97.0	94.5	Ohio River—Filtered—Chlorinated.
Paoli.....	44	110	37	73	84.1	66.4	Lick Creek—Filtered—Hypo.
*Princeton.....	6	15	5	12	83.3	80.0	Patoka River—Filtered—Chlorinated.
Richmond.....	12	30	12	30	100.0	100.0	Galleries—Chlorine in reserve.
Seymour.....	66	165	60	150	90.9	90.9	White River—Filtration—Chlorination.
*Shelbyville.....	2	5	2	5	.....	.....	Shallow Wells—Chlorinated.
Sheridan.....	70	140	70	131	100.0	93.5	Wells—Chlorinated.
Terre Haute.....	728	1,825	728	1,753	100.0	96.1	Wabash River—Filtered—Chlorinated.
†Valparaiso.....	2	1,102	2	1,050	100.0	95.3	Flint Lake—Filtered—Chlorinated.
Vincennes.....	74	185	71	169	96.0	91.3	Wabash River—Filtered—Chlorinated.
§Warsaw.....	48	120	47	115	97.9	95.8	Center Lake—Hypochlorite.
Washington.....	54	135	54	133	100.0	98.7	White River—Filtered—Chlorinated.
West Baden.....	86	215	81	183	94.2	85.1	Lost River—Filtered—Chlorinated.
Whiting.....	64	160	56	121	87.5	75.6	Lake Michigan—Filtered—Chlorinated.

* Lack of samples sent in does not allow a fair yearly percentage.

† Ran out of chlorine December, 1921, which lowered yearly average.

‡ Plants have both river and well supply.

§ Pump out of Lake only for reserve.

FIELD SURVEYS

The field surveys during the fiscal year were made by the department with the object of co-operating and assisting in every way possible in obtaining the most efficient, satisfactory and adequate water supplies, sewage treatment plants and sewerage systems in order that the public at large could have the greatest comfort and the best of healthful living conditions. Through the knowledge obtained from field surveys the Water and Sewage Department of the Indiana State Board of Health hopes to become a clearing house for information and prove itself a real asset to the state. Through the various inspections of water supplies, sewage nuisances and stream pollution the department has done much to aid in bringing about better sanitation and more healthful conditions in the towns and cities in the state. Co-operation has been freely and generously given, in the main, by operators and superintendents of water supplies and city and health officials and has aided materially the work of the department.

The following is a summary of the reports of field surveys made during the year:

West Baden: An investigation was made of the water supply at West Baden which showed under-treatment with chlorine. It was recommended that chlorine be increased automatically when the water becomes turbid.

An inspection was made of the water supply equipment which furnished the West Baden Springs Hotel with water. It was recommended that a better building be built and that the pumps be installed on permanent foundations.

A visit was paid the flowing springs of the West Baden Hotel Company and recommendations were made on several of the springs which were not flowing sufficiently.

Paoli: An investigation was made of the water supply at Paoli and recommendations that the building walls, which had settled, be repaired and the plant be given proper operating attention.

Shirley: A survey was made of the water supply at Shirley and it was recommended that the well pit be cleaned out and kept clean. Analyses of the water from Shirley showed a satisfactory water delivered to the public.

Mitchell: An inspection was made of the Mitchell water supply and it was recommended that chlorine be used in sufficient quantities to make the water satisfactory at all times.

West Newton: An inspection was made of the school well at West Newton and recommendations made to place it in a sanitary condition.

Brookville: A sanitary survey was made of the ditch flowing along the railroad and the canal basin pond at Brookville, and it was recommended that the pond be drained and the ditch be allowed to flow back into the river.

Martinsville: The Martinsville water supply was visited and it was recommended that the shallow wells from which the water is taken be protected in every way from surface drainage.

Logansport: An inspection was made of the Logansport water plant and recommendations were made to increase the size of the sedimentation basin. Plans have been prepared for this new basin to be built in the race and work will be carried on in the near future.

Brazil: A visit was made Brazil and a meeting held with the city engineer and consulting engineer for the new sewage disposal plant and the details of construction discussed. Several recommendations were made and the plans were changed accordingly.

Jeffersonville: An inspection was made of the water supply for the quartermaster's supply depot and it was suggested that the water supply be changed oftener in the reserve reservoirs. The pumping equipment was found to be in first-class operating condition.

Corydon: A survey was made of the Corydon water supply and it was recommended that all toilets on the slope of the hills adjacent be removed. The supply is delivering a very fair quality of water with chlorination, to the public.

North Vernon: The new water supply of North Vernon was visited and it was recommended that the Water and Sewage Department be given more information and analyses of the water delivered. North Vernon this year completed a new sedimentation basin and a high lift pump house. The water is settled and chlorinated.

Boonville: An inspection was made of the Boonville water supply and it was recommended that a filter plant be installed to remove the turbidity of the impounded water. It was also suggested that the chlorine feed be increased when the water was turbid.

Princeton: An investigation was made of the Princeton water supply situation and several changes were recommended. These changes have been made this year and the plant is producing a fair filtered and chlorinated supply.

Marengo: An inspection was made of the Marengo water supply and it was recommended that the water be chlorinated before same was delivered to the public.

Tipton: The Tipton water supply was visited and it was suggested that the second compressor be placed in operating condition and the supply be carefully watched.

Hagerstown: A private well was inspected from which the railroad men obtain drinking water. Recommendations were given to protect the well from surface water. Upon analysis the water was found to be satisfactory.

Connersville: A sanitary survey was made of the storm water overflow of the Seventh street sewer and it was strongly recommended that the conditions which exist in the river bottom be changed at once. The sewage stands in the pool at the outfall and causes a nuisance to the citizens living close by.

An investigation was made of the country club water supply in Connersville and it was recommended that all water used for drinking purposes be boiled.

Montpelier: An inspection was made of the Montpelier waterworks and it was suggested that the chlorine be increased and that more samples be sent in from the plant to the Water and Sewage Department laboratories.

Hartford City: An investigation was made of the Hartford City water supply and it was recommended that additional water be obtained from a new well. The condition of the equipment was found to be good.

Lebanon: A survey was made of the new sewage treatment plant and it was found that the plant was somewhat overloaded. It was

recommended that close touch be kept with the Water and Sewage Department and that the operation be carefully watched.

Lawrenceburg: An investigation was made of the Hawthorne Milling Company cattle barns at Lawrenceburg. It was found that if dry feed be given the cattle, close attention be given to cleaning the barns, and the creek not polluted, that cattle could be kept in the barns.

Michigan City: The Rommel ditch proposition at Michigan City was investigated and it was recommended that the lowlands to the southwest of the city be drained into the lake and that an adequate sewer be laid on the present site of the Rommel ditch.

Huntington: An inspection was made of the Huntington water supply and the equipment found to be in good operating condition. A small leak in the suction well was repaired and the water was later found to be satisfactory for all purposes. It was also suggested that close attention be given to the condition of the water pumped to the city.

Hammond: An investigation was made of the Hammond water supply and recommendations made concerning the size of the sludge pipe and other details of construction of the new sedimentation basin. With the construction of a new pumping station, boiler plant and sedimentation basin it is hoped that the water department will deliver a satisfactory water to the city of Hammond.

Hobart: An inspection was made of the Hobart water supply and it was recommended that deep wells be driven to determine if water could be obtained from this source. This work is being carried on this year.

Whiting: The filter plant and pumping station of the city of Whiting was inspected and it was recommended that the laboratories be placed in operation and that a close watch be kept on the condition of the water delivered to the city. Due to the proximity of the Standard Oil Company of Indiana the water has a decided oily taste and odor periodically, which means that a close, efficient operation of the plant must be maintained.

Huntingburg: At the request of the engineer retained by the city of Huntingburg a visit was made and the new plans for a sewer system and septic tank discussed. Several details of construction were taken up at this time and it is hoped that Huntingburg will be furnished with an adequate sewer system.

An inspection was made of the water supply of the city of Huntingburg and it was recommended that a filter plant be built and that the water be chlorinated.

Cartersburg: A visit was paid the springs of the Cartersburg Springs Company and the condition of the springs and bottling house was found to be good.

North Liberty: The Wabash Railroad well at North Liberty was inspected and from the results of the analyses the water supply was found to be satisfactory.

Indianapolis: The bottling plant of the Mount Jackson Mineral Springs Company was visited and the bottling equipment found to be in first-class condition.

Oakland City: The sanitary conditions of the city of Oakland City were investigated and found to be bad. It was recommended that a sewer system be constructed to relieve the open drain in the gutter from pollution.

An inspection was made of the water supply at Oakland City and it was recommended that a second lake be made, then an adequate supply could be furnished. It was also suggested that an engineer be retained and that the water be treated with chlorine.

Plainfield: An investigation was made of the Plainfield water supply and it was recommended that the equipment be painted and kept in better operating condition.

An inspection of the water supply for the Indiana Boys' School was made and found to be in satisfactory operating condition. The Imhoff tank which receives the waste from the institution was opened up and it was suggested that this be cleaned, that the walls of the settling basin be raised, and the sludge cleaned out at the first freshet.

Walkerton: An inspection was made of the Walkerton water supply, which was found to be in good operating condition.

An inspection was made of a private well at Walkerton which had been polluted from an oil receiving station close by. It was recommended that this water be condemned for drinking purposes.

Valparaiso: An inspection was made of the Valparaiso water supply, which was found to be in good operating condition.

A report was made concerning the pollution of the lakes from which Valparaiso receives its water supply. It was recommended that closer supervision be kept over the summer tourists so that the lakes would not be polluted.

Cartersburg: An inspection was made of the White Lick springs, located approximately three miles from Cartersburg, and recommendations were given on the method of handling the water.

Greencastle: At the request of the health officer of Greencastle an inspection was made of the Greencastle supply and it was found that the infiltration galleries had broken through and the water supply was very turbid. A new chlorinator was installed this year and since that time the city water supply has been very satisfactory bacteriologically.

Bethany Park: An inspection was made of the Bethany Park, located near Brooklyn, and it was recommended that all outside toilets be removed from the lake front, that the main water supply be placed in sanitary condition even if a new well must be driven and that the

lake be dredged out so as to relieve the lowland located on the north-west side.

Winona Lake: An investigation was made of the Winona Lake sanitary conditions, which were found to be fair. It was recommended that another septic tank be built and that close supervision be held over swimming in the lake. There were quite a few people at Winona Lake who had typhoid fever this year; however, this did not come from the water supply, inasmuch as the analyses always showed a satisfactory water for all purposes.

An inspection was made of the water supply at Winona Lake, which was found to be in good operating condition.

Terre Haute: The Terre Haute water works was visited and found to be in very satisfactory operating condition. Analyses are made daily on the water supply and close supervision held over the equipment.

Sullivan: An inspection was made of the Sullivan water supply and it was recommended that close supervision be kept over the force main and since this line was of wood stave that it be kept under pressure at all times.

Gary: The Burns ditch proposition was investigated thoroughly at Gary and it was recommended that this construction work be carried on in the very near future so as to reclaim approximately 20,000 acres in the Little Calumet marsh.

University Heights: A sanitary survey was made at University Heights and bad sanitary conditions were found. It was recommended that University Heights build a sewerage system and that until this time that the raw sewage from the houses be kept from this covered drain.

Frankfort: A sanitary survey was made of the stream into which the Frankfort sewage is discharged. Conditions were found to be very bad and it was recommended and ordered by the State Board of Health that a sewage disposal plant be built in the near future.

Indianapolis: A private driven well located outside the city limits of Indianapolis was investigated and condemned.

Mulberry: A sanitary survey was made in Mulberry and the sanitary conditions of the storm water drains were found to be very bad. The effluent from these covered lines emptied into an open ditch which ran along the road and across the property of several farmers. It was recommended that a sewerage system be built and carried to a septic tank located on the banks of the stream several miles away.

Scottsburg: An inspection was made of the Pennsylvania Railroad driven well at Scottsburg, which was found to be in fair operating condition. The analyses, however, showed a polluted water supply and it was recommended that this water should not be used in the shops and on interstate carriers.

The driven well of the Interstate Interurban Company was in-

spected and it was recommended that since the analyses showed a bad water that the well be condemned for use for drinking water on board the interurban cars.

Whiting: A sanitary survey was made of Stitletz Park Addition, located to the south of Whiting, and the conditions found were very dangerous. With the raised ground located on three sides of this addition, water stands in the cellars of most of the houses. It was recommended that the city of Whiting provide a drain for this addition, namely a storm water sewer, and that the city of Whiting clean up this addition that better healthful conditions might prevail.

Sellersburg: A sanitary survey was made of the Y. W. C. A. camp at Sellersburg and comparing the dug well inspection with analyses made, it was recommended that the water supply be condemned. It was also suggested that the water be boiled from these wells. The condition of the lake for swimming was found to be very good.

Huntington: A sanitary survey was made of the main sewer outfall at Huntington and it was noticed that the stream into which the sewer discharges was in very bad sanitary condition. It was recommended that the sewer be carried on at least one-quarter of a mile down stream in a large interceptor so as to rid the city of this nuisance.

Broad Ripple: An investigation was made of a private septic tank for two apartment buildings located at Broad Ripple. It was recommended that an absorption system be installed to relieve the conditions.

Lake Wawasee: A sanitary inspection was made of the septic tanks of the Sargent Hotel and it was recommended that a tile absorption system be installed in the sands so that the effluent from the septic tank would not flow into the lake.

A sanitary inspection was made of the South Shore Inn at Lake Wawasee and conditions were found to be satisfactory.

An inspection was made of the conditions at Buttermilk Point and it was recommended that if the grounds could not be kept clean, and the place in general sanitary condition, the resort would be ordered to do so.

Mount Vernon: At the request of the water company a meeting was held with the council and the water works officials at Mount Vernon to discuss the construction of the new sewer. It was recommended that those sewers discharging near the water works intake be carried down stream farther, that the mouth of Mill Creek be dredged and that analyses be made of the raw river water to determine whether a filter plant would be overloaded after this south side sewer was completed.

Syracuse: An inspection was made of the water works plant at Syracuse and it was recommended that the new proposed wells be placed in operation as soon as possible. Syracuse at present is pumping raw river water into the city, which is extremely dangerous to the many tourists who travel through the city.

Waterloo: A sanitary inspection was made of the city of Waterloo and it was recommended that the city lay a storm water drain across the railroad right of way to handle the run-off from the lowlands above the Y.

Pendleton: An inspection was made of Idlewald Park, located near Pendleton. The sanitary conditions of the park were found to be good, but the analyses of the two spring waters showed slight surface pollution. It was recommended that the spring located near the deep well be analyzed again and if bad the use of the water for drinking purposes be prohibited.

North Vernon: An inspection was made of several private wells located near the Baltimore and Ohio shops the analysis of which showed an undesirable water for drinking purposes. The driven well located outside of Conner's restaurant was found to be satisfactory.

Greenfield: During the month of July and August there was a rather severe epidemic of typhoid fever at Greenfield. The water supply was investigated and found to be satisfactory. Several recommendations were made concerning the sewage disposal dump located above the city.

Bloomington: Due to the hot, dry season the city of Bloomington has been without adequate water supply for some time. It was recommended in a meeting with the city officials that the closest supervision be kept over the sewerage system and that every precaution be taken that no epidemic occur during this water famine. It was strongly recommended that no matter where the water came from which was to be used for drinking purposes that it be boiled. Engineers are at present working on a report to construct a more adequate water works system for the city of Bloomington and it is hoped that this situation may never occur again. The university authorities had sufficient foresight to prepare for such emergency and the university has its own water, which will furnish the university with water for sixty days.

Inspections and surveys were also made of water supplies at Newcastle, Richmond, Connersville, West Lafayette, Elkhart, Plymouth, South Bend, Indianapolis, Fort Wayne, Jeffersonville, New Albany, Vincennes, Rockport, Anderson, Evansville, Seymour, Noblesville, Brazil, Bluffton, Muncie, Lebanon, Kokomo, Gary, East Chicago, Greenwood, Greensburg, Laporte, Valparaiso, Washington, Union City, Madison, Garrett, Converse, Terre Haute and Crawfordsville. These water supplies are in good operating condition and deliver a very satisfactory water to the consumer. With the inspections and surveys made at Columbus, Bedford, Goshen, Mishawaka, Logansport, Mount Vernon, Newburgh, Peru, Lafayette, Michigan City, Lawrenceburg, North Liberty, Shelbyville, Greenfield, Waterloo, Portland and Butler recommendations were given in regard to operating equipment or source of supply which had no bearing on the quality of the water delivered. In the main, changes have been made and these plants also deliver a satisfactory water to the consumer.

REPORT OF THE DEPARTMENT OF OIL INSPECTION

I. L. MILLER, State Food and Drug Commissioner, Supervisor.

*EDWARD F. WARFEL, Chief Clerk.

JAMES I. INLOW, Chief Clerk.

INSPECTORS

- *Einecke, Albert, Terre Haute.
- Anderson, Cary E., Terre Haute.
- Ankrom, Mike, Portland.
- Bartlett, J. D., Lafayette.
- Bowen, Forest J., Peru.
- *Batty, Raymond H., Indianapolis.
- Braxton, Samuel H., Paoli.
- Breining, Wm. A., Delphi.
- Ephlin, J. H., Kingman.
- *Patton, Edward, Veedersburg.
- Edwards, C. E., Connersville.
- Hillman, John, Gary.
- Jarrett, J. Everett, Indianapolis.
- Jones, John A., Marion.
- Lillicrap, A. O., Evansville.
- *Chapman, Roy K., Evansville.
- Marlar, Everett, South Bend.
- Malott, Claude G., Bloomington.
- Mason, B. F., St. Paul.
- Millican, Walter N., New Albany.
- McCarty, E. A., Indianapolis.
- Matthews, Walter T., Centerville.
- *Taylor, John H., Richmond.
- Rasor, Aaron A., Warsaw.
- Reat, Arthur, Greencastle.
- Risk, W. L., New Castle.
- *Ritter, Frank C., New Castle.
- Row, J. C., Osgood.
- *Matthews, Homer L., North Vernon.
- Ritchie, Fred L., Rochester.
- Spaulding, Frank B., Sharpsville.
- Summers, Wm. W., Alexandria.
- Tichner, Henry, Princeton.
- Wagner, Herman, Vincennes.
- Weaver, Theron P., Fort Wayne.
- Whyte, Ray, Auburn.
- Breedlove, M. A., Centerton.

The Department of Oil Inspection, under the law of 1919, is charged with the inspection of petroleum products, for which a fee is collected and returned to the state treasury. Kerosene is tested by means of the Foster automatic cup and gasoline; naphtha and similar petroleum products are branded as provided by law.

*Resigned.

The act provides an appropriation of \$500 for the salary of the food and drug commissioner who supervises the work of the department and allows him an additional \$3,600 for clerical assistance in administering the law. Of this amount, \$3,000 was paid to the chief clerk and accountant who directs the work of inspection, and an additional \$300 for clerical help, leaving \$300 to revert to the treasury. The law provides that the oil inspectors shall receive \$125 per month and necessary traveling expenses, while actually employed in the work.

The following tables indicate the work done by the inspectors during the fiscal year, as well as office expenses incurred.

RECEIPTS

MONTH	Barrels Kerosene Inspected	Barrels Gasoline Inspected	Fees Collected
October, 1921.....	91,016	319,266	\$16,612 31
November, 1921.....	63,073	243,318	12,180 14
December, 1921.....	55,500	193,080	10,201 71
January, 1922.....	66,053	211,646	11,078 67
February, 1922.....	53,241	162,733	8,591 45
March, 1922.....	60,814	203,739	10,521 57
April, 1922.....	77,931	244,960	12,620 94
May, 1922.....	125,165	362,512	18,449 66
June, 1922.....	71,038	275,914	12,584 36
July, 1922.....	79,684	366,165	19,188 68
August, 1922.....	82,738	373,714	17,427 25
September, 1922.....	60,968	294,348	14,008 69
Totals.....	887,821	3,251,395	\$163,465 43

EXPENDITURES (Inspectors)

MONTH	Salaries	Expenses
October, 1921.....	\$3,626 00	\$2,460 26
November, 1921.....	3,625 00	1,862 94
December, 1921.....	3,625 00	1,584 86
January, 1922.....	3,625 00	1,812 88
February, 1922.....	3,625 00	1,356 43
March, 1922.....	3,500 00	1,646 36
April, 1922.....	3,625 00	2,099 18
May, 1922.....	3,741 67	2,623 02
June, 1922.....	3,262 50	1,994 31
July, 1922.....	3,562 50	2,612 09
August, 1922.....	3,459 63	2,610 25
September, 1922.....	3,250 00	1,859 27
Total.....	\$42,401 30	\$24,521 85
Total Expenditures.....		42,401 30
		\$66,923 15

OFFICE EXPENSE

Stamps	\$150 00
Western Union	2 42
Burroughs adding machine	205 80
Express	4 77
Printing	381 02
Inspectors' badges	12 50
File case	32 50
Map and index folders	4 35
Foster cups	64 33

Special investigation—traveling expenses	34 90
Total office expense	\$892 59

TOTAL EXPENSES

Total expenditures (inspectors)	\$66,923 15
Office expense	892 59
Administrative salaries	3,800 00
Total expenses	\$71,615 74
Total receipts	\$163,465 43
Total expenditures	71,615 74
Net to state	\$91,849 69

REPORT OF THE DIVISION OF INFANT AND CHILD HYGIENE

Ada E. Schweitzer, M. D., Director.

FOREWORD

During the fiscal year the Division of Infant and Child Hygiene greatly extended the scope of its work. This was made possible by the employment in February of a field physician and by the temporary employment, as the occasion arose, of physicians, nurses and other assistants. As a consequence, with the exception of January and February, field work has been practically continuous. The acceptance by the governor of the provisions of the Sheppard-Towner Act augmented somewhat the funds available for this work. The popular interest in child health, however, has been growing to a proportion far beyond the compass of funds available; it has been necessary to refuse wholly or partially numerous requests for assistance.

FIELD EQUIPMENT

Child hygiene car.

Moving picture machine.

Films—"Our Children," "Priceless Gift of Health," "Mouth Hygiene," "Through Life's Windows," "State Child Hygiene Activities."

Obstetric outfits.

Layette—complete.

Artificial feeding apparatus.

Complete nursery.

Charts (250), panels, maps, etc.

Photographs.

Stereopticon slides.

Scales, two sets.

PLAN OF WORK

- I. Office Activities.
- II. Organization.
- III. County Child Health Conferences.

- IV. Special Child Health Conferences.
- V. Baby Contests.
- VI. Rest Tents for Mothers and Babies.
- VII. Special talks on Maternal, Infant and Child Care may be included also in II, III, IV and V.
- VIII. Special Projects (Child Hygiene Week at Winona Lake Chautauqua, etc.).
- IX. Local "Follow Up."
- X. Division "Follow Up."
- XI. Correlation.

I. Office Activities include—

Routine correspondence.

Routing field parties.

Sending out supplies to field party, nurses and others.

Special organization letters to health officers, physicians, committees, chairmen, etc. Lists of things needed, articles furnished, questionnaires, literature to expectant mothers, to other individuals and to field party.

Statistical reports.

II. Organization.

Wherever possible organization of a district, county or a town is left to local agencies. When time is limited, or perhaps for some other reason, a person from the division is sent to assist in the selection of chairmen and to give instructions personally. As soon as a program of dates and towns is sent to the office typed letters with mimeographed instructions are sent to county and township chairmen. Selection of committees on arrangements, enrollment, meeting places, entertainment program, transportation, etc., is left to local chairmen, who also arrange through committees for buildings, lights, heat, electric current, local transportation and housing for staff. Local agencies bear local expenses; the state pays staff expenses.

The coming child health conference is advertised by personal calls on mothers, by telephone, newspaper publicity, by announcements in schools, churches, and other public places. Often posters made by local agencies are put up in conspicuous places. Needed assistance is also given to localities trying to establish permanent child health work.

III. County Child Health Conferences.

When the preliminary organization is complete, the child hygiene staff is sent into the county with the "baby health car." The routine program may be modified to suit local conditions. Usually the evening program with the moving picture precedes the day examination—a preliminary program is often furnished by local children.

Examination of Children.

The parents voluntarily bring children, usually under school age, for examination. After the registration the history of mother care and baby care, and previous illness is taken, a development test is given to children of five or under and vision and hearing tests to children over five. The mother removes the clothing and ties on a square of shaker

flannel, the child is weighed and measured and has his height and weight checked up; he is given a complete physical examination and dressed. The doctor and nurse talk over with the mother the child's condition and suitable pamphlets are given the mother. The child receives a health reader or a Cho Cho book, which help make him a willing ally of his parents in the health game. One record of the child's health is given to parent or guardian, one to county nurse and one is sent to the child hygiene office for statistical purposes.

When time permits, talks or demonstrations by nurses or physicians on maternal and infant care are given to groups of women and girls. At four or five o'clock equipment is packed and the staff moves on to the next place for an evening program. A total of 9,301 children have been examined in these conferences in 1922.

Parents who voluntarily bring children can usually be relied upon to take care of needed improvements in routine or correction of defects. Often a nurse or social worker will help find the way. Many times the parent is advised to have the child placed under supervision of the family physician, or of a specialist; occasionally hospital care is needed for a while.

IV. Special Child Health Conferences.

These are held by the child hygiene staff to assist a locality in establishing some project, as a baby health station, nursing service, etc. Often the baby conference is a part of a big community program.

Special examinations of children under the supervision of child hygiene field workers took place at Madison Fall Festival, Indiana Health Institute, St. Paul's M. E. Church (city), Zionsville, Fairmount, La-fontaine, Fowler, Spencer and Bridgeton.

V. Baby Contests. (State Fair.)

Once a year the Child Hygiene Division devotes a week to "checking up" the best Indiana babies at the state fair. The State Board of Agriculture employs specialists and any additional help needed. When contests in other places are insisted upon, a staff nurse is sometimes sent to supervise the routine on condition that local physicians be employed to make complete physical examinations and to advise with parents. When a contest is so conducted as to benefit the babies it has an excuse for being (though a conference is preferred), but when the baby is exploited merely to attract crowds the contest is inexcusable.

The 1922 better baby contest at the state fair was the most successful we have conducted. Three hundred fourteen babies from all parts of the state were examined. Ninety-five per cent of them had scores of 990 and above and eighty-two babies not in the contest were given health tests. Thirty-four counties had within the last three years co-operated with the Child Hygiene Division of the State Board of Health in the holding of county-wide health conferences. Thirty-one counties shared prize-winning honors. While the Child Hygiene Division does not claim all the credit for the high standards of baby care in these counties, we have every reason to believe that the educational work of the health conferences has been a very helpful, positive influence.

The Indiana "Better Baby" folder was designed by the director of the Child Hygiene Division, published by the State Board of Agriculture and sent out in all correspondence.

VI. Rest Tents and Rooms.

At local fairs and festivals there are always persons who bring young babies into the dust and crowds. To provide a safe place and expert care for the babies, and at the same time give the mother a chance in a class or demonstration to receive information first hand concerning baby care, a rest tent is conducted.

The Child Hygiene Division furnishes exhibit material and a part of pads, blankets, etc., for beds. Equipment such as beds, chairs, tables, etc., is furnished by local agencies. The local committee assists the child hygiene nurse in the care of children, mothers come to care for babies, babies are left with the nurses on condition that the mother report at regular intervals and pre-school children are made happy with blocks, games and a sand pile, while parents view exhibits or hear lectures. Where the community or county has a nurse she often does work of this kind, asking only for charts and literature from the Child Hygiene Division.

These rest tents and rooms were conducted by the child hygiene nurse at the northern Indiana fair at Decatur and Ft. Wayne, at chautauquas, at Osgood, Ripley County, Rockville, Greenfield, Merom, Columbus fair, and a rest room at the state fair. Exclusive of Ft. Wayne, 1,384 babies were cared for, and 480 mothers with babies came to the tents to rest. At the state fair the baby beds were furnished by the Children's Aid Association, electric fans by the Hatfield Electric Company, and water was furnished in coolers by Cartersburg and Mountain Valley Water Companies.

VII. Special Talks.

Talks on subjects relating to maternal and infant care are given by request. These may be illustrated by use of demonstration material lantern slides or by moving pictures. Talks form a part of the program in each place visited during a county health conference. Special lectures in series on baby care were given to the Girls' Home Economics School. Three hundred seventy-two lectures were given by members of the staff.

VIII. Special Projects.

Baby week at Winona Lake Chautauqua, special health examinations and instructions to girls and women at the Shelbyville Y. W. C. A. health week, at the Purdue Girls' Club Roundup, Girls' Home Economics School at the State Fair were special projects. A special exhibit at the New Haven meeting of the American Child Hygiene Association showed by subjects the literature distributed by the Indiana Division of Child Hygiene, the pamphlets being arranged on large panels.

IX. Correlation.

In many communities better correlation of effort on the part of local organizations has resulted; when all work together with a common objective, much good is accomplished. Over one hundred fifty local and state organizations co-operated in the work of the division. During the

health conferences, 259 physicians and dentists assisted, 181 nurses and 1,107 women assisted. The approximate number of meetings held were: In churches, 72; schools, 136; parish houses, 3; hotels, 14; Chambers of Commerce, 7; woman's building, 3 in one week (state fair); residences, 5; orphans homes, 2; lodge halls, 15; hospitals, 8; movies, 37; W. C. T. U. buildings, 6; Y. M. C. A. buildings, 12; opera houses, 1; auditoriums, 8; colleges, 2; postoffice buildings, 8; court houses, 34; libraries, 15; Legion halls, 5; settlement houses, 9; missions, 4; rest tents, 8; chautauqua tents, 6; open air meetings, 7.

X. Local "Follow Up."

The community or county in which a health conference is held often carries on health work for children. Many letters in our files tell of the improvement in the condition of children. The child may be getting more sleep, or a better balanced diet. He may be less irritable, because he is not allowed to be nagged or teased or petted. He may have a source of general infection eliminated by treatment of tonsils or teeth. Removal of adenoids may have been followed by an improved appetite and vigor, greater interest in work and play, better hearing, etc. Correction of orthopedic defects may have restored to activity an almost helpless child, and correction of vision defects may have changed him from an irritable child unable to progress in school to a happy, healthy child to whom study is pleasure instead of painful effort.

There are children whose life, food and daily routine must be changed before permanent benefit can be had; this may require the correlated efforts of any available agencies. We know of no instance where a child health conference has not been beneficial, but the extent of benefit received depends in a great measure upon local interest and co-operation.

XI. Division "Follow Up."

When special projects are planned, members of the Child Hygiene staff often revisit communities to assist in starting the work. Literature and posters are furnished and follow up letters are written.

COUNTY CONFERENCES

LAGRANGE COUNTY

October 2nd to 10th, the County Superintendent of Schools invited Child Hygiene Division to hold Child Health Conference in Lagrange County court house during corn school week. Organization of the county was effected through the schools, children from groups of townships being assigned each day for examination. The local physicians, county nurse, Tri Kappas and others assisted throughout the week; demonstration examinations, talks to clubs, to the Shriners, township trustees and moving pictures completed the program. A duplication of engagements made necessary an aeroplane trip to Sullivan, Indiana. The director talked Monday evening at Graysville and returned to Lagrange Tuesday morning. The trip was arranged through the courtesy of Major Rich, U. S. Army instructor of the Indiana National Guard and the aero station at Kokomo.

DELAWARE COUNTY

A demonstration health conference open to children in Delaware County was held at Muncie during the annual Federation of Clubs and the State Conference of Charities and Correction; exhibits were also shown at conference headquarters at the Chamber of Commerce. As not much was done to organize the outlying townships, a large percentage of the children examined lived in Muncie; two centrally located churches were available, and the physicians and public health nurse assisted. Many visitors saw the work.

One afternoon was devoted to examination of children at the Delaware County Children's Home. The director was invited to speak at meetings of the Round Table Club, the District Medical Society, the Charity Conference, the Kiwanis Club, the Academy of Medicine. A fine spirit of co-operation and live newspaper articles were features of the campaign.

WASHINGTON COUNTY

Staff work in Washington County began October 26th. The Red Cross and Tri Kappas, farmer's organizations, medical and dental associations co-operated; great interest was shown in the final conferences at Salem. The director left for Indianapolis October 29th, to speak in Dr. Emerson's Nutrition Clinic on Monday, thence to proceed to the American Child Hygiene Association at New Haven, Conn., as member of the Board of Directors. Dr. J. K. Berman completed the conferences and began the work in Orange County.

ORANGE COUNTY

Miss Matilda Steilberg, county nurse, had charge of organization; Dr. Schweitzer returned to the staff November 9th, relieving Dr. Berman. Numerous letters have been received from Washington and Orange Counties expressing appreciation of the work, and several which asked further advice in care and feeding of children.

FLOYD COUNTY

Dr. Anna McKamey and the W. C. T. U. Society planned the work in Floyd. As fall rains had begun, conferences were planned only in those places located on improved roads. In New Albany splendid programs given by classes in physical education preceded the evening lectures. Dr. Hedwig Kuhn was employed as temporary assistant. Some examinations of both white and colored children were held at school buildings, in addition to baby examinations at the W. C. T. U. headquarters.

LAKE COUNTY

Lake County work was divided geographically into three sections: The southern, a purely agricultural section; the central, including Crown Point, the county seat, and the northern, the towns that smoke along the lake.

Because of the busy Christmas season and because of the prevalence of infectious diseases in some sections, only two rural towns had health conferences. Successful conferences were held in Hammond, East Chicago, Indiana Harbor, Whiting and Gary.

At Hammond, Miss Bewsey and Mr. Hestenes of Brooks House, planned the work with a vision of the future. All organizations in the city assisted and pledged money and equipment for starting a baby health station and dental prophylactic station, both of which are accomplishing great good. Whiting has health stations and East Chicago is carrying on the work for babies.

At Gary, medical and social workers' conferences were held at Neighborhood House and at Friendship House at luncheons. In addition to the evening lectures, moving picture films were shown to 10,000 school children. Numerous personal conferences were held; many babies were examined. The staff was invited to come later to Hammond to assist in arousing interest in school health tests.

Profitable meetings were held at Indiana Harbor and at East Chicago in co-operation with Miss Deuel. The interest throughout the county among physicians, nurses, municipal officers, newspapers, fraternal organizations, business organizations, groups of citizens, was notable. It is hoped to complete county conference work there at a more favorable time. Dr. Kuhn was released to attend clinics in Chicago. Dr. M. May Allen was employed as assistant field director of the Child Hygiene Division in February.

HAMILTON COUNTY

County-wide child health conferences in 1922 were begun in Hamilton County in March. Under the leadership of Mrs. Leitzman, a preliminary meeting of county and township chairmen was held. Dr. Schweitzer, Dr. Allen and Miss Gibbs attended this meeting. Community interest in the conferences was general; local children furnished a part of each evening's program; there were songs, games, drills, readings, folk and solo dances and orchestra selections; lectures by the staff and moving pictures were presented to crowded houses. The final conferences at Noblesville created general interest. Many children were at once placed under medical supervision; habits and diets were revised.

CARROLL COUNTY

Two or three months before the date set for the baby health conferences, the work of organization was begun. Mrs. R. C. Gustavel, ably assisted by competent township chairmen, registered the highest daily township attendance known up to this time. The county medical and dental association and municipal officials gave every assistance; 637 children were examined. Follow-up work is being planned by organizations interested in the conference.

VIGO COUNTY

The work in Vigo began with a Better Baby Week in Terre Haute, conducted in co-operation with Pure Milk Week. Officials from Purdue

University co-operated with the county agent in the latter campaign and the better baby work was done by fifteen volunteer official agencies. Baby health conferences were held each day at the Light House Mission; talks illustrated by child hygiene pictures were shown in the schools; subjects pertaining to baby health and child care were discussed and lunches given by the Chamber of Commerce, Child Welfare Society and the Parent-Teacher president, at a reception given by the League of Women Voters. Each evening a team from the better baby and the better milk officials spoke before the Parent-Teacher Associations in Terre Haute. Many visitors, including classes from hospitals and home economics, saw the work of the child hygiene staff assisted by local physicians, dentists and nurses. Children were brought in groups in automobiles by Tri Kappas. The child work in Vigo County continued the following week with Mrs. Concannon, chairman. As the junior staff nurse was temporarily placed on other duty, a nurse from the visiting nurse association assisted in her absence. In Vigo, 1,217 children were examined. The records for follow-up work were left with the Visiting Nurse Association. The newspapers gave much space to the work, three illustrated feature articles appearing in the Tribune.

TIPPECANOE COUNTY

County child health conferences in Tippecanoe County were organized under the supervision of Dr. Ada McMahan. Mrs. Bennett Taylor, the county chairman, was assisted by Misses Hatfield and Beeler, public health nurses. Twelve township conferences were held, including a three-day conference at Lafayette. Local physicians and dentists gave valuable assistance; transportation for child hygiene nurses was furnished by local Red Cross. An average of twenty-nine children per day came for examination.

TIPTON COUNTY

Following the Tippecanoe conferences, Dr. Schweitzer and Miss Gibbs began work in Tipton County. The equipment was furnished partly by the child hygiene division and partly by the Tipton County workers. Miss Claudia Achtenhagen, county Red Cross nurse, resigned, who had acted as chairman, remained with the party two days and left Miss Vanderplatte complete the work. As moving picture machines were available only at Windfall and Kempton, a baloptican and slides were used to illustrate lectures. Miss Gibbs was replaced by Miss Hancock. Dr. J. K. Berman assisted three days; an average of twenty-eight children per day were examined. Dr. Stanley Cotton, county medical secretary, assisted and two medical students acted as clerks. Transportation was furnished by Tri Kappas and business men.

JASPER COUNTY

The regular staff work in Jasper County began June 13th, after an efficient advertising campaign had been conducted by Miss Florence Ryan, school attendance officer. She and Miss Helen Boyer, R. N., assisted throughout the county furnishing transportation. Miss Lips, of the

child hygiene staff, who was to attend the national nurses meeting in Seattle, was replaced by Miss Gibbs. Miss Hancock went from Tipton to Jasper County and Dr. Schweitzer met the local physicians several weeks before the campaign; she had worked with the staff at Rensselaer. Three hundred and eighty-seven children were examined; newspaper stories and advertising posters were of unusual excellence; physicians, dentists and citizens were interested.

HOWARD COUNTY

At a preliminary meeting with the County Medical Society, plans under way for organization of the child health conference were discussed. Further conference was held with Mrs. Meade White, tuberculosis nurse, who was chairman of the committee. The child hygiene staff held health conferences in this county June 28th to July 8th. Excellent co-operation by local organizations was a feature of the work. Mrs. White furnished transportation and 411 children were examined.

SULLIVAN COUNTY

Owing to the excellent preliminary work of Miss Ella Anderson, R. N., county nurse, in charge of county organization, great interest was manifested throughout the county. Several places had half-day conferences, permitting a visit to two places in one day. Thirteen conferences were held with an average of fifty-two to a conference; the daily average for ten days was sixty-eight. In addition to local physicians, Dr. J. K. Berman, assisted July 20th, 21st and 24th, and the director July 25th, 26th and 27th. This was the first of a series of four counties organized earlier, under the supervision of Miss Lips.

GREENE COUNTY

The child hygiene campaign in Greene County began the evening of July 28th at Bloomfield. Mrs. Parker, the county chairman, assisted throughout the conference.

MARTIN COUNTY

The third county, Martin, a mining county, was rugged and the staff remained in places worked. The interest in the work was commendable.

DAVIESS COUNTY

A more rural county. An open air meeting was held at Odon during the Old Settlers' meeting. In this group of counties the highest number of children examined in a single day was 110, at Jasonville in Greene County; fifty-seven at Loogootee in Martin County, and forty-one at Plainville in Daviess County; Sullivan averaged fifty-two a conference. Recent reports show that great interest in the health of children has been aroused.

DEARBORN COUNTY

This was the first of a series of counties in the fourth district, organized earlier under the supervision of Miss Gibbs, R. N., by the

federated clubs. Miss Fanny Foulke, district chairman of the federation, was made district chairman of the child health conference work. The county chairmen were appointed as follows: Dearborn County, Mrs. George Steadman; Ohio County, Mrs. Claudia Johnson, R. N.; Switzerland County, Mrs. Cogley Cole; Jefferson County, Mrs. E. J. Scott.

Third District: Scott County, Miss Matilda Steilberg; Clark County, Mrs. Estella Warder.

Ripley County was postponed because of illness of county nurse, Miss Hopkins.

Bartholomew County was substituted, Chairman, Mrs. Rose Armstrong, R. N. Jennings County was organized, Chairman, Mrs. William Grossman.

Dearborn County was not quite complete at the close of the fiscal year and the statistical study will be included in 1923 report. By September 30th, 277 children had been examined in this county.

SPECIAL PRENATAL STUDY

The child hygiene division is probably the first to study the extent and kind of prenatal and obstetric care in widely distributed rural and small town districts. The histories are taken by the child hygiene staff at child health conferences and statistical studies are compiled in the office. The studies on obstetric care include histories from mothers at the state fair, and in Sullivan, Martin, Greene, Daviess and Dearborn counties. The studies in prenatal care have been made during the past two years and include practically all types of population.

PRENATAL REST

Rest from heavy work during pregnancy of 1,431 mothers was reported as follows:

One week or less, 6 per cent of mothers.

One week to two weeks, 18½ per cent of mothers.

One-fifth of the expectant mothers rested three to four weeks.

Seven-twentieths did only light work for one to three months before childbirth.

One-tenth did only light work for three to six months before childbirth.

Fewer than 10 per cent did no heavy work during pregnancy. Mothers who have had adequate rest prior to childbirth have had fewer complications—the babies have been healthier and happier.

PRENATAL CARE

In a study of 2,448 mothers there was no prenatal care by physician reported in 24.6 per cent or nearly one-fourth of the cases. Fifty-four per cent of the mothers had from two to nine months' supervision by a physician.

CARE AT BIRTH OF CHILD

It is interesting to note that 99 per cent of records show that a physician was in attendance at the birth of the child and in 1 per cent

of cases a midwife. The prevalence of midwife practice includes only small groups from the foreign population. Records in the office of the state statistician show limited districts where two out of three births have been attended by midwives.

In addition, one-fifth of the mothers were cared for by a registered nurse, over two-fifths had an experienced nurse, and the others had members of the family or neighbors in attendance; all cases had special care of some kind.

POST-NATAL REST

A study of 4,291 mothers shows that one-twentieth rested only one week or less from household or other duties after the birth of the babies; over one-fourth rested two weeks and nearly one-half the mothers rested from two to five weeks. One-tenth of the total number rested three to six months, and the one-twentieth who rested for a longer period also report incomplete recovery after childbirth and poor health at present.

DAYS IN BED, TEN TO FOURTEEN DAYS

This study includes 4,857 mothers and reveals that 3,386 or 68 per cent of this number spent less than two weeks in bed at the time of childbirth, while one-fourth were in bed two weeks. The number who report a longer period corresponds quite closely again to the number who report poor or slow recovery after childbirth. Our statistics show that about one-fifth of the slow recoveries eventually regain good health. We are happy to note that the high percentage of approximately 4,800 women report good recovery and good health at the time of the health conference. As children up to seven years are usually taken for examination, these reports indicate with some degree of accuracy the standards of maternal care which prevail in the small towns and the rural districts of Indiana. This report does not include deaths of either mothers or babies.

A study including 4,820 mothers, reveals that about 5 per cent of the mothers report poor recovery, 14 per cent report fair recovery and 86 per cent good recovery. An average of 4 per cent report poor health now, 14 per cent fair health, and 83 per cent good health at present, out of a number of 4,792 mothers.

DURATION OF PREGNANCY

Of 4,880 pregnancies, 4,689 progressed to full term, leaving 179 premature births and twelve which exceeded full term. As 1,159 infant deaths due to premature birth are reported for 1921, the survival of almost 200 infants is cause for congratulation.

AGE

A study of the ages when 4,637 women became mothers, reveals the fact that only one-twentieth became mothers under twenty years of age, and a smaller proportion were over forty years of age. The thirty to forty age periods claim seven-twentieths of the births, the period from twenty-five to thirty not quite as many, while in the group from twenty to twenty-five years of age about one-fifth of the births occurred. Ap-

proximately seven-tenths of the births occurred at the age period when the woman fully matured should be able to bear strong, healthy children.

RECOVERY AND HEALTH IN 1921-22

In comparison with the previous years, these records show that a slightly higher per cent of mothers received professional prenatal care, had correct care at the time of childbirth, and report good recovery and good health, at the present time.

SLEEP STUDY ON 7,174 CHILDREN

The importance of sleep in maintaining and restoring health has not been fully recognized. Sleep is of the greatest value in childhood when energy must be renewed for both activity and growth.

AMOUNT OF SLEEP

While the majority of children sleep as much as needful, yet at the ages when sleep is most needed, many children sleep too little.

In a study by ages, of the habits of sleep of 7,174 children who were examined, by the child hygiene division, we find one-half the boys, and 47.29 per cent of girls up to one year of age, sleep too little. Forty per cent of boys and 38.65 per cent of girls from one to four years of age sleep too little. More than 25 per cent of boys (or one-fourth) and 26.46 per cent of girls from five to nine years of age, and 15.84 per cent of boys and 13.52 per cent of girls from ten to sixteen years fail to get the correct amount of sleep.

In these children the repair of the body does not quite keep pace with tissue wastes. As a consequence the child may be always slightly toxic, irritable, lack appetite and either become flabby in body and mind, or use up all his surplus energy early in life only to find himself physically bankrupt at an age when he should be in the prime of life.

SLEEP ALONE

Up to the age of five years 56 per cent or more than one-half the babies sleep alone. It is desirable that all growing babies sleep alone; they need undisturbed rest. Many babies have been accidentally smothered while sleeping with adults. Breast-fed babies who sleep with their mothers are likely to nurse too frequently and if restless, neither mother nor baby get enough sleep. If a mother is overworked, loses sleep and as a consequence worries, her milk may not agree with the baby. The baby becomes daily more irritable and restless and the mother's rest and peace of mind more disturbed. Thus a vicious circle is established which finally results in weaning the baby. His growth may be retarded over a period of several months, he may never fully recover and may go through life never quite well, never wholly efficient.

FRESH AIR AND SUNSHINE

The value of fresh air and sunshine are being appreciated as never before—both are growth stimulants and therapeutical agents. The highest percentage of children who sleep with open windows, 94 per cent are those from six months to four years of age. Under six months we find only 89 per cent and at five to six years 87 per cent. The group from seven to sixteen years has the lowest average, only 77 per cent

sleeping with open windows, this in spite of the very general teaching in schools of the health crusade and the rules of the health game. Fewer than 4.02 per cent of children of all ages sleep in open air. Occasionally parents decry "such foolishness" and insist on saving fuel. Children are sewed up in clothing and sealed up in dingy houses during the long winter and are turned out in fresh air only when the weather is warm. Pasty skins, lack-lustre eyes, flabby muscles and poor digestion and assimilation, poor resistance to "colds" and other infections result.

In a school where the observance of health crusade rules was above 90 per cent, every child had a clear skin, rosy cheeks, bright eyes and an elastic step. As one of the little girls expressed it, "The best thing about the health crusade is the good health we have gained." Fresh air, sunshine and long hours of sleep promote good health.

STUDY ON MENTAL TESTS GIVEN BY DIVISION OF INFANT AND CHILD HYGIENE

Our tests concerned with the child's development have been criticized as being too difficult. A study of 3,837 tests given by the child hygiene staff shows an average of 62.5 per cent of all ages of pre-school children who respond to tests for age and 34.9 per cent who responded to tests above those for their age, making a total of 97.4 per cent of the children examined who were equal to or above the average mentality for age.

No allowance was made in this study for children who are stubborn or abnormally shy. No allowance was made for changes in personnel of staff, yet the averages are quite representative of the types and ages of children who were brought to the health conferences. Not quite 2 per cent scored below age standards.

A comparison of boys and girls shows practically the same average mentality or reaction to surroundings. At six months the average is slightly in favor of the girl babies, but the boy babies are slightly superior at one year. Boys are slightly better at eighteen months, girls at twenty-four months, boys at thirty-six to sixty months. On the other hand more boys than girls are six to twelve months below standard for ages.

These tests serve a double purpose. They enable us to check up on perception, co-ordination, imitation, memory, inventiveness, etc. They also interest the child and help to keep him happy throughout the examination. It is our purpose to make each child feel that the examination is a desirable thing and that it should be both agreeable and helpful. At some future time his confidence in a physician may save his life.

FEEDING AND NUTRITION

Based on examinations of 2,385 girls and 2,284 boys, total 4,469. Tables used by U. S. Children's Bureau and Indiana Child Hygiene Division.

A study of the weight of each child as compared with his height shows a majority of the children slightly above or below the average weight. These variations depend on racial characteristics and heredity and are of interest as such. More pronounced variations may be due to parental deficiencies of some kind, to incorrect feeding or habits, or to

environment, etc., and should be studied as to causes. A marked variation of 10 per cent below average weight for height may be due to illness and should have medical supervision for a time.

Children markedly over weight have been given little attention. A number of those examined, however, had begun early to take food too frequently and in larger amount than was needed. This habit of over-eating is fostered by indulgence of parents. Certain types of food usually those responsible for fat production are preferred by the child. The excretory organs are over-worked. These children are often unstable in many ways. A physician usually finds that any attempt to change the child's habits is opposed by parents who refuse to co-operate. Parents in their selfish desire to give the child everything he wants often willfully ignore the actual physical and moral damage to the child.

The number of children who are 10 per cent or more below the average weight for height varies with the age period, but the condition when found should be remedied if possible. Such children are classified as poorly nourished. The average percentage of poorly nourished children examined in 1921-22 was 10.97 per cent.

Among breast-fed babies the average percentage of poorly nourished was 13 per cent as compared with 17 per cent in 1921. The percentage of under-nourished girls was slightly in excess of the percentage of boys.

Of the babies fed on cow's milk, eighteen in every hundred boys and twelve in every hundred girls were markedly under weight, an average of 15 per cent.

Early feeding on condensed milk shows a higher percentage of underweights; an average of twenty-two in each hundred, the proportion being twenty-eight boys to seventeen girls.

Older, rapidly growing children on a diet of milk, eggs and cereal or those on "table food" are not so seriously under weight, but more than half are below the average.

The highest percentage of those below average weight is found among babies with whom breast milk has not seemed to agree and who consequently have been weaned and have tried several mixtures before finding one that could be assimilated. Many times this difficulty might have been avoided by correct attention to the mother during the prenatal period and by regularity and greater persistence in establishing and maintaining the milk supply.

Two reasons for weaning are usually given: There was not enough milk, and the milk did not agree with the baby. The fault may have been irregular, or too frequent feeding, some milk left in the breast after nursing (should be milked dry each time), shock, overwork or worry on the part of the mother, sickness of mother.

With proper care 95 per cent of mothers should nurse their babies. In Indiana we have found 70 per cent who do nurse their babies.

Of the babies who are breast-fed, almost 50 per cent or one-half are weaned by the seventh month and all but about 10 per cent are weaned by the end of the first year. In a few cases the weaning is deferred to twenty-four or thirty-six months. This is usually not best for either mother or child and may be avoided if preparation for weaning is begun

at seventh month by the gradual introduction of cow's milk, well cooked cereals and plain vegetable soups into the child's menu, first as complementary feedings and later as substitute feedings. The number of feedings should not be increased.

The period of mixed breast and bottle feeding is likely to be somewhat more prolonged than exclusive breast feeding. Cereal is introduced in over half the cases in the 10 to 16 month period. At 16 months to three years cereals, fruits, toast and milk are generally used. Families generally do not give children sufficient variety of fresh, leafy vegetables. General diet is common after 24 months to four years.

STUDY OF THE FAMILY ON THE BASIS OF OFFSPRING

On each child health record card used by the Child Hygiene Staff, the following data is obtained: concerning the children living or dead, the total number of living births, the number of stillbirths and miscarriages; which children born alive have since died, and the number of mother deaths, and number of living children.

The following percentages are based on the total number of pregnancies:

Thirty-one per cent of the families were one-child families. While this may be partly accounted for by the fact that many of the babies examined were first babies, ages one year and under, yet the fact remains that the number of one-child families is comparatively high.

Twenty-five per cent of the families were two-child families and eighteen per cent were three-child families. In fewer than ten per cent of the families had four pregnancies occurred, although a four-child family is biologically and socially considered an ideal family. About two per cent of the mothers reported nine pregnancies or more.

A study of the total number of children examined in this group shows that nineteen per cent, the highest percentage in any one group, came from the three-child families, while sixty per cent came from families having fewer than five children, and only eight per cent came from families having nine children or more.

CHILD MORTALITY

Among children from the two-child families, the deaths averaged two to one hundred, while among children in the three-child families the loss was six in each one hundred children, or three times as many. Among children from families having six, seven or eight children, the loss was eight children in each one hundred. In the larger families the relative loss was again slightly lower, or six in each one hundred children.

ACCIDENTS OF PREGNANCY

A study of the accidents of pregnancy in 3,512 families shows the loss of prospective life by reason of stillbirths and miscarriages.

The average number of stillbirths was two to each one hundred pregnancies. The average number of miscarriages is still higher, being one in nine pregnancies.

When we consider that these statistics are compiled from records of the average middle-class family and are based on a total of 9,985

pregnancies, the loss of life is somewhat appalling, the total stillbirths approximating 208 and total miscarriages 865.

The loss in the health and happiness of the mother and the family can not be estimated. The percentage of mother deaths in this group was unusually low, one in 1,250, the highest percentage occurring in the one-child families, which again partly accounts for the small size of these families.

It is the hope of the child health workers everywhere to prevent much of this loss by—

(a) Teaching the mother how to care for her own health.

(b) Urging one hundred per cent medical supervision throughout pregnancy.

(c) Impressing families and municipalities with the necessity for freedom from over-work, worry and excitement during pregnancy, and with the importance of correct prenatal, obstetric and post-natal care as life-saving agencies.

This life-saving service cannot be successfully accomplished by any one group. All agencies must work together if the hazards of motherhood and infancy are to be eliminated.

DISEASES OF CHILDHOOD

During the six months ending September 30, 1922, a study of 3,873 children examined, shows the age prevalence of infectious diseases. There were 1,916 boys and 1,957 girls. By the time they reach school age only 3.54% of the boys and 2.84% of the girls had escaped without an attack of infectious diseases. In infancy, nursing babies are immune to many infections and also have fewer opportunities for infection. Up to one year 73.85% of all these children had escaped without any infectious disease.

It will readily be seen that the waste of life and health due to these diseases begins early, and rapidly increases as the child is able to run about by himself and come into contact with carriers of infection. Many of these diseases begin as affections of the nose and throat. If we could begin in infancy to keep these babies free from infections of the naso-pharynx we could eliminate a large number of cases by never giving them a chance to develop. If every child who shows symptoms of a "cold" were at once isolated, the 25 or 30 other children who might have "caught" it from him would not get it.

The total number of cases of infectious diseases occurring in this group was 6,062, an average of not quite two to a child. We must remember, too, that these statistics are compiled from records of living children, that those who did not survive are not considered in this study.

In each one hundred cases of illness—

18 were due to whooping cough.

15 were due to frequent colds.

11.9 were due to measles.

11.5 were due to influenza.

9.7 were due to chicken-pox.

6.5 were due to sore throat.

- 4.5 were due to pneumonia.
 3.9 were due to mumps.
 2.9 were due to scarlet fever.
 2.8 were due to bronchitis.
 1.7 were due to wrong feeding.
 1 was due to diphtheria.
 .37 was due to typhoid.
 .31 was due to infantile paralysis.
 10 were due to other diseases.

We find as a result of these early infections 60% of the children having tonsils which need either treatment or removal, and about one in ten who should have adenoids removed. Mouth defects, including bad teeth, average more than one to a child. Fourteen per cent have bone and posture defects, more than 7% have notable heart irregularities and nearly one-half have lung affections, which if not looked after may later result seriously. These figures show that acute infectious diseases of childhood are not "over with" when the child apparently recovers. They are more often the beginning of a long train of disorders from which he may never fully recover.

SUMMARY

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Total
States visited.....	5	1	5	.....	11
Countries visited.....	18	8	30	26	82
Towns visited.....	46	21	80	73	220
Number children examined.....	1,754	1,577	3,125	2,845	9,301
Talks given by director.....	61	31	34	28	154
Talks given by assistant field director.....	.....	5	40	37	82
Talks given by assistant field physician.....	13	.....	.....	1	14
Talks and demonstrations given by nurses.....	46	50	5	21	122
Talks by local doctors.....	10	.....	.....	.....	10
Audiences.....	22,166	4,636	7,466	32,735	67,003
Conference of director with officials, etc.....	283	382	627	337	1,629
Special conference luncheons.....	.....	10	10	5	25
Meetings attended.....	125	57	170	179	531
Clinics attended.....	2	8	.....	.....	10
Demonstration examinations and tests.....	10	.....	.....	.....	10
Exhibits shown.....	94	27	73	85	279
Films shown times.....	128	29	98	72	327
Lantern slides shown times.....	.....	.....	2	11	13
Special charts made.....	10	.....	.....	1	11
Aeroplane trips made.....	2	.....	.....	.....	2
Local programs furnished.....	61	.....	5	5	71
Day nurseries and rest tents conducted.....	1	.....	1	7	9
Babies checked.....	.....	.....	6	1,378	1,384
Mothers and children cared for at rest tents.....	.....	.....	.....	480	480
Helpers at rest tents.....	.....	.....	.....	22	22
Doctors and dentists assisting in conferences.....	101	18	97	43	259
Nurses assisting in conferences.....	57	1	87	36	181
Local women assisting.....	178	120	467	342	1,107
Organizations assisting.....	15	2	20	6	43
Exhibit material loaned.....	.....	1	1	5	7
Pamphlets loaned.....	.....	14	4	5	23
Charts and posters loaned (sets).....	7	8	5	12	32
Films loaned.....	.....	2	.....	.....	2
Slides loaned (sets).....	1	.....	1	1	3
Pictures loaned.....	3	.....	15	2	20
Days examination of children.....	66	23	75	74	238
Moving picture film made.....	.....	.....	.....	1	1
School examination cards made.....	.....	10,000	.....	.....	10,000
Pre-school examination cards made.....	.....	.....	10,000	.....	10,000
Parent cards made.....	.....	.....	10,000	.....	10,000
To mothers folder made.....	.....	.....	70,000	.....	70,000
Form letters sent out.....	271	342	412	507	1,532
Literature distributed.....	18,153	6,244	27,588	38,776	90,761

REPORT OF CHILD HYGIENE
COMPLETE COUNTY EXAMINATIONS

	Lagrange County	Delaware County	Wash- ington County	Orange County	Floyd County	Lake County	Hamilton County	Carroll County	Vigo County	Tippe- canoe County	Jasper County
Complete Examinations (clothing removed)	184	137	134	105	206	361	388	560	539	330	362
Vision tests given	126	27	24	24	102	124	174	142	82	51	54
Hearing tests	126	27	18	21	101	109	173	126	56	48	53
Mental tests given	53	108	68	71	90	205	162	420	364	274	298
TOTAL NUMBER OF DEFECTS											
General	663	362	285	380	556	1,168	1,019	874	1,173	408	422
Tonsils and Adenoids	74	50	55	75	138	182	360	393	364	184	242
Total—Physical and General	737	412	340	455	684	1,350	1,379	1,267	1,537	592	664
Total Dental Defects	292	102	159	110	189	388	886	609	264	364	232
Total Vision Defects	39	13	9	12	43	56	57	29	44	21	6
Total Hearing Defects	11	3	5	6	5	4	13	7	2	3	2
Total Defects	1,079	530	513	583	921	1,798	2,335	1,912	1,847	980	904

DEFECTS BY SYSTEMS AND ORGANS

Oral—Dental and General.....	357	126	190	150	266	492	986	672	363	403	249
Eye Defects.....	58	25	18	24	13	30	81	43	67	28	16
Ear Defects.....	37	16	14	20	11	33	42	30	23	13	10
Tonsils, Enlarged, Irregular, Diseased, Cryptic.....	129	58	88	83	144	213	328	347	318	157	222
Probable Adenoids.....	12	10	8	16	42	47	32	46	46	27	20
Other—Head, Face and Neck.....	51	17	4	11	14	26	14	8	39	4	5
Enlarged Glands.....	42	22	18	38	53	147	74	78	99	55	53
Bone Defects of Chest and Back.....	63	11	11	16	15	46	107	87	41	27	29
Heart Defects.....	19	19	9	6	16	12	30	33	22	25	30
Lung Defects.....	67	54	25	41	40	85	139	92	83	65	45
Abdomen Defects.....	23	18	16	20	24	91	39	40	48	17	14
Genitalia.....	59	27	12	29	86	137	34	74	57	52	51
Extremities.....	28	20	8	25	21	56	96	128	179	50	93
Posture.....	3	5	3	4	2	6	33	5	9	2	7
Incoordination Muscles and Nerves.....	22	14	1	14	18	26	21	24	37	11	1
Apparent Disorders of Nutrition.....	10	11	1	4	14	24	28	15	25	9	13
Miscellaneous.....	99	77	87	82	142	267	251	190	391	35	46
Total Defects.....	1,079	530	513	583	921	1,798	2,335	1,912	1,847	980	904

TOTAL NUMBER OF CHILDREN TEN PER CENT BELOW WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total Number.....	30	24	16	23	18	50	57	74	59	39	48
Per Cent poorly nourished.....	16.3	17.51	11.94	21.90	8.73	13.8	14.97	13.21	10.94	11.81	13.25

REPORT OF CHILD HYGIENE—Continued
COMPLETE COUNTY EXAMINATIONS—Continued

	Tipton County	Howard County	Kosciusko County	Sullivan County	Greene County	Martin County	Daviess County	Totals	Per Cent of Defects	Per Cent Defects to each Child
Complete Examinations (clothing removed)										
Vision tests given	188	391	271	678	279	153	217	5,483		
Hearing tests given	14	91	76	90	45	33	63	1,342		
Mental tests given	14	84	76	56	44	19	36	1,187		
	170	334	192	498	266	98	165	3,776		
TOTAL NUMBER OF DEFECTS										
General	332	774	487	1,486	417	209	168	11,233	56.27	2.05
Tonsils and Adenoids	164	241	197	419	150	62	93	3,433	17.19	.63
Total—Physical and General	546	1,015	684	1,905	567	271	261	14,666	23.93	.87
Total Dental defects	117	214	123	257	212	105	155	4,778	2.14	.08
Total Vision defects	5	17	20	18	10	14	26	439	2.40	.01
Total Hearing defects			6	2	2	7	3	81		
Total Defects	668	1,246	833	2,182	791	397	445	19,964	99.93	3.64

DEFECTS BY SYSTEMS AND ORGANS

Oral—Dental and General.....	154	254	167	326	241	110	157	5,663	28.36	1.03
Eye defects.....	15	46	39	48	19	18	37	685	3.43	.12
Ear defects.....	11	2	15	14	5	13	14	323	1.61	.05
Tonsils—Enlarged, Irregular, Diseased, Cryptic.....	148	215	179	363	130	57	81	3,260	16.33	.59
Probable Adenoids.....	17	26	18	56	20	5	12	460	2.30	.08
Other—Head, Face and Neck.....	36	31	31	41	4	7	9	352	1.76	.06
Enlarged Glands.....	38	62	64	125	49	7	14	1,038	5.19	.19
Bone defects—Chest and back.....	9	46	49	47	13	8	15	640	3.20	.12
Lung defects.....	18	35	41	33	27	10	12	397	1.98	.07
Abdomen defects.....	58	61	53	55	38	11	10	1,022	5.12	.19
Genitalia.....	37	36	16	65	16	6	1	527	2.63	.09
Extremities.....	17	51	32	59	17	13	16	823	4.12	.15
Posture.....	46	96	53	159	61	20	30	1,169	5.85	.21
Incoordination muscles: in nerves.....	4	3	2	35	.....	2	3	128	.64	.02
Apparent disorders of nutrition.....	3	5	12	14	7	7	6	243	1.21	.04
Miscellaneous.....	10	19	11	26	17	7	7	244	1.22	.05
47	258	51	716	.....	127	96	28	2,990	14.98	.55
Total Defects.....	668	1,246	833	2,182	791	397	445	19,964	99.93	3.62

TOTAL NUMBER OF CHILDREN TEN PER CENT BELOW WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total Number.....	29	19	48	153	75	33	44	839	.....	.....
Per Cent poorly nourished.....	15.54	4.83	17.71	22.56	26.88	21.56	20.27	15.28	.....	.....

REPORT OF CHILD HYGIENE—Continued
SCHOOL EXAMINATIONS

	Lagrange County School	Delaware County School	Wash- ington County School	Orange County School	Floyd County School	Lake County School	Carroll County School	Vigo County School	Tippe- canoe County School	Jasper County School
Complete examinations (clothing removed)	70	8	102	26	144	97	77	75	29	25
School examinations (clothing not removed)										
Total number examinations	70	8	102	26	144	97	77	75	29	25
Vision tests given	70	5	93	16	134	84	76	62	23	24
Hearing tests given	70	5	33	12	125	54	54	58	19	19
Mental tests given	7	3	10		3	10		1	1	

TOTAL NUMBER OF DEFECTS

	162	23	374	87	78	198	63	35	79	19
General	33	3	78	13	67	50	46	6	30	17
Tonsils and adenoids										
Total physical and general	195	26	452	100	145	248	109	41	109	36
Total dental defects	120	7	241	52	298	138	101	33	103	20
Total vision defects	19	4	43	13	72	23	16	14	2	2
Total hearing defects	8		11	1	19	6		4	3	
Total	342	37	747	166	534	415	226	92	217	58

DEFECTS BY SYSTEMS AND ORGANS

Oral, teeth defects and genera.....	131	7	304	63	312	176	112	35	123	21
Eyes.....	21	4	58	17	75	26	18	14	2	2
Ears.....	31	2	26	6	5	9		4	5	
Tonsil, enlarged, irregular, diseased or cryptic.....	53	2	107	21	64	58	41	6	27	15
Probable adenoids.....	4	1	25	3	11	21	5		3	2
Other head, face and neck.....	16	4	4	2	4				9	
Enlarged glands.....	15	2	55	9	13	40	4	3	7	2
Bone defects of chest and back.....	17		33	9	3	15	14	4	12	5
Heart.....	8		12	3	3	3	5	1	6	3
Lungs.....	19	2	29	13	4	9	6	4	18	6
Abdomen.....	2	1	5	1	1	2				
Genitalia.....	3		5	1	2	7		1		
Extremities.....	1	2	4	2				2		
Posture.....			5		1			5		
Incoordination muscles and nerves.....	1		8	3	6	4	1	1		
Apparent disorders nutrition.....	2		3		7	4	2		6	1
Miscellaneous.....	18	10	64	14	23	41	14	12	1	1
Total.....	342	37	747	166	534	415	226	92	217	58

NUMBER OF CHILDREN TEN PER CENT BELOW WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total number.....	3	1	10	3	7	9	10	3	7	5
Per cent poorly nourished.....	4.28	12.50	9.80	11.53	4.87	9.27	12.98	4.0	24.13	20.0

REPORT OF CHILD HYGIENE—Continued
SCHOOL EXAMINATIONS—Continued

	Tipton County School	Howard County School	Kosci- usko County School	Sullivan County School	Greene County School	Marlin County School	Davies County School	Total	Percent- age of Defects	Number Defects to a Child
Complete examinations (clothing removed)	6	20	13	3	11	20	67	793		
School examinations (clothing not removed)										
Total number examinations	6	20	13	3	11	20	67	793		
Vision tests given	4	20	13	3	11	10	63	711		
Hearing tests given	3	20	13	3	11	7	21	527		
Mental tests given	2							37		

TOTAL NUMBER OF DEFECTS

General	16	39	22	2	9	24	46	1,276	38.57	1.50
Tonsils and adenoids	9	15	8	7	1	15	35	433	13.08	.54
Total physical and general										
Total dental defects	25	54	30	9	10	39	81	1,709	39.44	1.63
Total vision defects	21	18	8	1	12	24	108	1,305	7.13	.33
Total hearing defects	1	3	1		2	3	18	236	1.75	.11
Total	47	76	39	10	24	70	208	3,308	99.97	4.11

DEFECTS BY SYSTEMS AND ORGANS

Oral, teeth defects and general.....	22	25	9	13	26	109	1,488	45.00	1.87
Eyes.....	1	3	1	1	3	27	273	8.25	.34
Ears.....	1	4	..	..	5	3	101	3.05	.12
Tonsil, enlarged, irregular, diseased or cryptic.....	9	14	7	1	12	35	477	14.41	.60
Probable adenoids.....	..	1	1	2	3	..	82	2.47	.10
Other head, face and neck.....	1	..	2	..	..	..	42	1.36	.05
Enlarged glands.....	3	1	5	1	1	2	163	4.92	.20
Bone defects of chest and back.....	2	12	4	1	2	5	138	4.17	.17
Heart.....	2	5	2	2	2	13	69	2.08	.08
Lungs.....	2	4	2	1	1	5	121	3.65	.15
Abdomen.....	3	..	2	..	..	1	18	.54	.02
Genitalia.....	..	..	..	..	..	..	21	.63	.02
Extremities.....	..	1	..	..	1	..	14	.42	.01
Posture.....	..	..	..	..	..	..	12	.36	.01
Incoordination muscles and nerves.....	..	1	..	..	1	3	29	.87	.03
Apparent disorders nutrition.....	..	2	..	..	..	..	27	.81	.03
Miscellaneous.....	3	3	4	2	4	5	233	7.04	.29
Total.....	47	76	33	10	70	208	3,308	99.93	4.09

NUMBER OF CHILDREN TEN PER CENT BELOW WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total number.....	3	4	..	1	5	12	84	..	..
Per cent poorly nourished.....	33.33	20.0	..	33.33	25.0	17.91	10.59	..	..

REPORT OF CHILD HYGIENE—Continued
SPECIAL AND CONTEST EXAMINATIONS

	Muncie Children's Home	Shelby- ville Special Exams.	Indian- apolis Health Institute	Hammond School Exams.	Indiana Health Exposi- tion	Zions- ville Complete Exams.	Bridge- ton Complete Exams.	State Fair Conference Exams.	Spencer Complete Exams.	Lafontaine Complete Exams.	Total	Percent of Defects
Complete examinations (clothing removed).....	32	56	4	1,561	276	35	17	82	18	21	541	.....
School examinations (clothing not removed).....							2				1,563	.....
Total examinations made.....	32	56	4	1,561	276	35	19	82	18	21	2,104	.....
Vision tests given.....	32	55		1,496	28		6				1,617	41.68
Hearing tests given.....	32	55		1,490			5				1,582	3.72
Mental tests given.....	2		4		253	34	14	79		19	405	.....
TOTAL NUMBER OF DEFECTS												
General.....	186	345	14	4,313	585	56	75	170	62	57	5,863	49.76
Tonsils and adenoids.....	16	19	3	875	209	24	13	67	9	30	1,265	10.73
Total physical and general.....	202	364	17	5,188	794	80	88	237	71	87	7,128	.....
Total dental defects.....	24	58		3,571	188	22	33	21		5	3,922	33.39
Total vision defects.....	13	29		619	13						674	5.72
Total hearing defects.....	4	1		54							59	.80
Total defects.....	243	452	17	9,432	995	102	121	258	71	92	11,783	.....

DEFECTS BY ORGANS AND SYSTEMS

Oral, dental and general.....	38	86	3	3,981	232	24	46	25	19	4,454	37.81
Eyes.....	19	36	.....	769	29	3	3	6	.....	865	7.34
Ears.....	12	8	1	156	10	1	.....	7	.....	195	1.65
Tonsils enlarged.....	34	50	3	1,134	171	20	11	61	22	1,514	12.85
Probable adenoids.....	2	8	.....	114	28	4	2	6	8	173	1.46
Other head, face, neck.....	5	2	.....	32	17	2	2	9	1	78	.....
Enlarged glands.....	15	27	2	739	48	13	2	14	.....	864	7.33
Bone defects chest and back.....	9	14	1	725	41	2	6	3	.....	801	6.79
Heart defects.....	7	12	1	300	22	1	1	4	.....	348	2.95
Lung defects.....	16	48	1	355	63	3	10	11	1	510	4.32
Abdomen defects.....	2	20	1	40	16	2	6	21	2	114	1.97
Genitalia defects.....	18	.....	1	34	70	3	6	16	4	152	1.29
Extremities.....	10	4	1	23	60	14	5	31	32	193	1.63
Posture.....	1	2	.....	80	3	.....	.....	2	1	89	.....
Incoordination muscles and nerves.....	3	10	.....	131	30	1	1	2	.....	179	1.52
Apparent nutrition disorder.....	9	9	.....	107	26	.....	5	1	.....	148	1.26
Miscellaneous.....	52	116	2	712	129	9	8	39	7	1,106	9.39
Total.....	243	452	17	9,432	995	102	121	258	71	11,763	99.97

NUMBER OF CHILDREN TEN PERCENT BELOW MINIMUM WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total number.....	3	72	32	11	3	7	135
Percent poorly nourished.....	9.37	4.61	11.59	31.42	15.78	8.53	6.41

REPORT OF CHILD HYGIENE—Continued
SPECIAL AND CONTEST EXAMINATIONS—Continued

	Brazil Baby Contest	Madison Baby Contest	Columbus Baby Contest	State Fair Baby Contest	Fowler Baby Contest	Contest Total	Percent of Defects	Both Totals	Average Percent of Defects
Complete examinations (clothing removed)	48	34	14	314	49	459		1,000	
School examinations (clothing not removed)								1,563	
Total examinations made								2,563	
Vision tests given	48	34	14	314	49	459		1,617	
Hearing tests given								1,582	
Mental tests given	39	34		314	49	436		841	
TOTAL NUMBER OF DEFECTS									
General	46	80	74	369	63	632	66.52	6,495	58.12
Tonsils and adenoids	6	7	5	119	9	146	15.37	1,411	13.04
Total physical and general								7,906	
Total dental defects	52	87	79	488	72	778		4,033	22.48
Total vision defects	4	14	4	89		111	11.67	4,735	6.07
Total hearing defects				61		61	6.42	59	.29
Total defects	56	101	83	638	72	950	99.98	12,733	100.00

DEFECTS BY ORGANS AND SYSTEMS

Oral, dental and general.....	4	15	8	94	121	12.73	4,575	25.27
Eyes.....	1	1	5	115	116	12.21	981	9.77
Ears.....	6	6	4	6	13	1.37	208	1.50
Tonsils enlarged.....	1	1	1	99	124	13.05	1,638	12.95
Probable Adenoids.....	2	1	1	21	23	2.42	196	1.94
Other head, face, neck.....	2	2	9	11	25	2.63	103	1.65
Enlarged glands.....	8	8	1	7	16	1.68	880	4.50
Bone defects chest and back.....	3	3	2	2	8	.84	809	3.81
Heart defects.....	1	1	1	1	4	.42	352	1.60
Lung defects.....	4	5	3	8	19	2.00	529	3.16
Abdomen defects.....	11	23	6	11	23	2.42	137	1.70
Genitalia defects.....	3	4	3	154	189	6.42	213	3.86
Extremities.....	2	2	11	1	2	19.89	382	10.76
Posture.....	1	1	1	1	2	.21	91	.48
Incoordination muscles and nerves.....	2	1	1	5	2	.21	181	.87
Apparent nutrition disorder.....	21	29	29	102	8	.84	156	1.05
Miscellaneous.....	56	101	83	638	196	20.63	1,302	15.01
Total.....					950	99.96	12,733	99.97

NUMBER OF CHILDREN TEN PERCENT BELOW MINIMUM WEIGHT FOR HEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

Total number.....	3	2	.....	21	29	.....	164	.....
Percent poorly nourished.....	6.25	5.85	.....	6.05	6.12	.....	7.04	.....

REPORT OF THE DIVISION OF PUBLIC HEALTH NURSING

INA M. GASKILL, R. N., Director.

The Division of Public Health Nursing was established in the Indiana State Board of Health in May, 1920. From that date until February, 1921, the American Red Cross met the entire expense. A new agreement regarding the division was reached between the State Board of Health, the American Red Cross and the Indiana Tuberculosis Association on February 1, 1921. The latter association was to share jointly with the American Red Cross in financing the work of the supervising nurse, while the assistant was to be financed entirely by the American Red Cross. The purpose of this arrangement was further to co-ordinate public health nursing work in the state and to develop it within the State Board of Health. Both the American Red Cross and the Indiana Tuberculosis Association were to bear the expense for this work only until the State Board of Health should be able to assume all or part of it.

The State Board of Health began to provide the salary for the stenographer in September, 1921, and in January, 1922, began to pay the traveling expenses of the director, Miss Ina M. Gaskill.

Later the Division of Infant and Child Hygiene was reorganized to include the Division of Public Health Nursing, and on July 1, 1922, the State Board of Health assumed the responsibility for the salary and traveling expenses of the director. The expense for the assistant director, Miss Annabelle Petersen, still was paid by the American Red Cross.

Miss Mary J. Horn, a nurse with experience overseas in the world war, began work with this division as second assistant to the director on August 21, 1922. Her appointment was necessary on account of the increased activities of the division. Miss Horn is a graduate of the University of Chicago and of St. Luke's Hospital Training School for Nurses, at Chicago, and had a course in public health nursing at Columbia University, New York City. For the past two years Miss Horn has been superintendent of the Visiting Nurse Association of South Bend. She will give her entire time to promoting, supervising, and organizing, particularly the maternity and infant hygiene phases of public health nursing.

PURPOSE

The purpose of this division is to stimulate interest in the work of public health nursing, to organize and standardize such work throughout the state, to serve as a clearing house of information, to interest nurses in this type of service, and to supervise the work of nurses in the field.

Since public health nursing work is so well advanced in several of the largest cities of the state, the greater part of the time of the division has been given to county or rural work. We know that very splendid results may be obtained by devoting time to organization and supervision of town and city services, and with the present force, the division can give more attention to this work.

Since the establishment of this division, rural public health nursing has spread from six to fifty-six counties. City services have grown and developed almost as rapidly.

Types of public health nursing in which nurses may engage are as follows:

Bedside Nursing, which consists of care given to the sick in their own homes. Such care is given to both sexes, all ages, all nationalities and in all varieties of illness, except contagious diseases. It is arranged on the visit basis, the nurse calling at the home to give the care daily or as often as needed, but not remaining, except in emergencies.

Prenatal Nursing, which includes supervision of the physical condition of expectant mothers and instruction in the hygiene of pregnancy, advice regarding injurious social environment, arrangements for care during confinement and the development of prenatal clinics.

Maternity Nursing. There is great need of adequate nursing care of maternity cases, but the visiting nurse is usually able to give such care only after confinement, as attendance at deliveries interferes seriously with the execution of her regular duties. If, however, her regular work will permit her to be in attendance during the confinement, and yet to obtain necessary rest, these cases by all means should be undertaken.

Infant Welfare, which includes advice to mothers in infant hygiene; constant attention to the health of babies; development of infant welfare clinics and mothers' classes and investigation of local conditions influencing infant morbidity and mortality.

Child Welfare, which is the extension of the infant welfare program to include children of pre-school age.

School Nursing, which consists of assisting the school physician in the physical examination of school children; visiting the children's parents to obtain their co-operation in remedying defects; the obtaining of correction of physical defects through private physicians, clinics or hospital care; investigating the sanitary conditions of school buildings, and developing classes in hygiene among boys and girls.

Tuberculosis Work, which consists in seeking out undiscovered cases of tuberculosis; giving nursing care when needed; securing medical and hospital care; teaching the family preventive measures; securing medical examination for the family and others exposed to infection; carrying on of an educational campaign; and stimulating the use of open air school rooms.

Communicable Disease Control and Sanitation, which consists in assisting health authorities to discover the presence of communicable diseases and to declare and maintain quarantine; in instructing the family in methods of isolation and prophylaxis and in the care of the patient; in assisting with vaccinations, giving of antitoxins and serums, and the taking of cultures.

Not all of these activities can be conducted by a nurse working alone, unless her territory is limited. Some of the nurses are engaged in small towns where they can develop a many-sided, fairly adequate service. Many of them, however, are county nurses covering a comparatively large area, including the open country and many towns, and are consequently able to undertake only one or two branches of public health nursing. Only as the county service develops and more nurses are employed does it become possible to extend the scope of the work.

The following cities and towns have public health nurses, some employed by private organizations, some by boards of health and some by boards of education:

Bedford	Fort Wayne	Kokomo	North Manchester
Bloomington	Gary	Lafayette	Richmond
Connersville	Gas City	Laporte	Rushville
Crawfordsville	Goshen	Logansport	Shelbyville
Clinton	Greensburg	Ligonier	South Bend
Evansville	Hammond	Linton	Terre Haute
Elwood	Huntington	Muncie	Wabash
East Chicago	Indianapolis	Michigan City	Washington
Elkhart	Jeffersonville	New Albany	Whiting
Frankfort	Kendallville		

Many other cities are being covered by the county public health nurses.

The following counties have been operating or have established public health nursing services during the year:

Allen	Franklin	Lagrange	Rush
Benton	Fulton	Morgan	Ripley
Boone	Greene	Marion	Steuben
Blackford	Gibson	Marshall	Scott
Bartholomew	Henry	Martin	St. Joseph
Cass	Hendricks	Miami	Sullivan
Carroll	Hancock	Newton	Tipton
Clinton	Jackson	Noble	Tippecanoe
Dekalb	Johnson	Ohio	Vermillion
Dubois	Jasper	Orange	Wabash
Dearborn	Jefferson	Owen	Wayne
Elkhart	Kosciusko	Putnam	Wells
Floyd	Lake	Porter	White
Fountain	Laporte	Randolph	Whitley

Service was discontinued in the following counties:

Clark	Huntington	Franklin	Orange
Clay	Greene	Newton	

Classes among women and girls in Elementary Hygiene and Home Care of the Sick as arranged by the American Red Cross have been given in the following cities and counties:

Counties			Cities
Blackford	Franklin	Tipton	Huntington
Carroll	Henry	Tippecanoe	Indianapolis
Clinton	Johnson	Wabash	Kendallville
Dekalb	Jackson	White	Richmond
Dearborn	Marion	Whitley	
Elkhart	Noble		

Public health nurses instituted or assisted in promoting the modern health crusade under the auspices of the Indiana Tuberculosis Association, in schools in the following counties and cities:

Counties			Cities
Blackford	Fulton	Jasper	Crawfordsville
Clinton	Gibson	Johnson	Gas City
Dekalb	Hancock	Putnam	Muncie
Fountain	Howard	Rush	

NUMBER OF NURSES EMPLOYED (SEPTEMBER 30, 1922)

Public health nurses now employed in the state.....	242
Number employed outside the five largest cities.....	116
Number in towns of 8,000 or less than 20,000.....	24
Number doing rural or small town work.....	76

Of the large city public health nursing services, fifty-eight are provided from public funds and seventy-four from funds of private organizations or industries.

Of the rural or small town public health nursing services, thirty-three are provided entirely or partly from public funds, thirty-three by local Red Cross chapters, fifteen by local tuberculosis associations and ten by the two latter groups jointly. Twenty-two are employed by other private organizations.

A summary of the work done by public health nurses in the state follows:

RURAL SERVICES

Visits Made—	
Bedside nursing	18,829
Prenatal nursing	772
Infant welfare nursing	4,338
School nursing	18,319
Tuberculosis nursing	2,160
Sanitary inspections	1,368
Miscellaneous	12,962
Total visits made	53,748
Number of school children inspected.....	146,332
Nurse attendance at infant welfare stations	426
Nurse attendance at tuberculosis clinics	142
Nurse attendance at other clinics	192
Clubs and classes	1,257
Talks given	4,484
Social service visits	1,758

CITY SERVICES

Visits Made—	
Bedside nursing	111,672
Maternity nursing	6,476
Attendance at deliveries	266
Prenatal nursing	18,134
Infant welfare nursing	39,223
School nursing	59,052
Tuberculosis nursing	20,421
Sanitary inspections	936
Miscellaneous	6,343
Total visits made	262,522
Number of school children inspected.....	211,591
Nurse attendance at infant welfare stations	620
Nurse attendance at tuberculosis clinics	169

Nurse attendance at other clinics	139
Clubs and classes	498
Talks given	1,314
Social service visits	157

It has not been possible to include in this statistical report various activities in which the nurses have been engaged. In fairness to the nurses it should be said that in many communities the biggest thing accomplished can not be set down in mere figures. The fruitage of public health work often extends over a period of years and can not be estimated in any annual survey.

PROGRAMS ON PUBLIC HEALTH NURSING

With the co-operation of the district organizations of the Indiana State Nurses Association, special programs on public health nursing were arranged for one meeting of each of the district associations. In this way public health nursing was brought before the graduate nurses of the districts and without doubt was the means of interesting many nurses in this line of work.

DISTRICT MEETINGS OF PUBLIC HEALTH NURSES

Two district conferences of public health nurses were held under the direction of this division. The first was in Lafayette, January 7, and the second in Fort Wayne, March 25. Twenty-five public health nurses attended the Lafayette conference and thirty-six nurses from north-eastern Indiana attended the meeting at Fort Wayne. In each instance a full day was devoted to the discussion of problems pertaining to public health nursing.

THIRD ANNUAL CONFERENCE OF PUBLIC HEALTH NURSES

The third annual conference of public health nurses of the state is arranged for and is to be held under the direction of this division in Indianapolis at the Hotel Lincoln, October 5, 6 and 7, immediately following the convention of the State Nurses Association. This meeting is the one time during the year when all public health nurses come together in informal conference and are given an opportunity to listen to discussions and to discuss problems pertaining to their work. Speakers of national and state repute have been secured and special demonstrations of prenatal, infant welfare and school nursing are to be given. Miss Edna Foley of the Visiting Nurse Association of Chicago; Dr. Rachelle Yarros, United States Public Health Service; Miss I. Malinde Havey of the Red Cross Nursing Service, Washington, D. C.; Mrs. C. C. Warrington, State Probation Officer; Dr. Jas. H. Stygall of the Indiana Tuberculosis Association; Dr. Wm. F. King and Dr. Ada Schweitzer of the State Board of Health, are among the speakers on the program. On Saturday the nurses are to make an excursion to the offices of the different divisions of the State Board of Health. Approximately 200 nurses are expected to attend the conference.

PAMPHLET, "INFORMATION CONCERNING PUBLIC HEALTH NURSING SERVICES"

A special pamphlet entitled, "Information Concerning Public Health Nursing Services," was prepared by the director of this division. This

pamphlet contains eight pages of printed matter with illustrations. It gives in detail information regarding the organization of public health nursing services, including the conditions of employment, types of work a nurse may do, qualifications of nurses, cost of service, etc. This pamphlet has been sent out to local groups and town and county officials over the state and has been found to be valuable.

STATE RECORDS FOR PUBLIC HEALTH NURSES

The system of records to be used by public health nurses which were prepared and introduced by this division last year have been well received and have been used by many public health nurses and organizations over the state, the county buying the record. In January an additional record pertaining to the inspection of buildings and grounds was distributed to all public health nurses who were working in rural or small town schools. One side of this record gives in detail a report of buildings and grounds and the other side a record of the physical handicaps of the children. One of these cards is left with the teacher or school official and a copy containing information regarding buildings and grounds is sent to the State Board of Health. When the nurse makes another visit she again marks the card to show any improvement in conditions. A similar record has been used by other states and has proven valuable in securing better sanitary conditions in rural schools.

INDIANA HEALTH EXPOSITION

At the Indiana Health Exposition, May 19 to 27, public health nurses were very much in evidence, and were on duty in a majority of the booths. It is evident that the public health nurse is an integral part of almost every phase of public health work.

Several hundred nurses in uniform attended the unveiling of the statue of Hygiea the first day of the exposition and took part in the ceremony. One group wore the Red Cross uniform and were led by Miss Petersen.

This division had prepared a special exhibit which was to demonstrate the work done by public health nurses. One scene displayed in miniature the visit of a public health nurse to a rural home. Real grass, hedge and trees were growing in the yard and live gold fish were swimming in the pool. A card pointed out the fact that "Public health nursing services are in operation in fifty-three Indiana counties."

A second scene was a miniature school room with children seated at their desks and the public health nurse, in uniform, weighing the children. The "Rules of the Health Game" were written on the blackboard. A card stated that "99,640 Indiana school children received individual attention from public health nurses in 1921, and 40,914 school nursing visits were made." The third scene portrayed a visit of a nurse to a maternity case. It included a completely furnished room, with a patient in bed and a baby in a basket. In addition to this exhibit, charts and pictures were shown and literature pertaining to public health nursing was provided upon request. Large numbers of adults and children visited the exhibit daily.

DENTAL SURVEY

A special survey was planned and accomplished by this division in co-operation with the State Department of Public Instruction and the Indiana State Dental Association. The purpose of the survey was to stimulate interest in better dental hygiene among school children and to obtain figures regarding dental conditions. The Dental Association provided a special simple record card and rural public health nurses and local dentists made the survey. The month of November was designated as the time in which this work should be done. During this time 22,863 children were inspected. It was found that only 38 per cent of the boys and 58 per cent of the girls used a tooth brush. Of the whole number, 5,924 girls and 7,266 boys had broken down teeth, and a total of 16,848 had decayed permanent teeth. It was shown by the figures that children having bad occlusion have more decayed teeth than children who have good occlusion; and that children who have clean mouths and clean teeth are less liable to dental defects. The survey was the means of creating greater interest in oral hygiene and dental care in many of the communities, and especially among the boys and girls in school.

FIRST FULL TIME HEALTH UNIT

Miss Fannie Thomas, the public health nurse employed by the Red Cross Chapter and Tuberculosis Association of Fulton County, became a part of the first full time health unit of the state. This unit was organized and began operation in Fulton County in May, 1922. The two local organizations are still paying Miss Thomas's salary and provide her transportation. Through the action of these organizations which employ the public health nurse, the establishment of the health unit in the county was greatly aided.

STUDENT NURSE RECRUITING MOVEMENT

Miss Annabelle Petersen, assistant director of this division, gave considerable time to a student nurse recruiting movement, during the first three months of 1922, serving as chairman of the movement, by the appointment of the President of the State Nurses Association.

The plan of organization as outlined by the American Nurses Association, the American Red Cross and the National Organization for Public Health Nursing was followed in developing this work. Each district of the State Association had its chairman, who was definitely responsible for the campaign in her territory. An intensive campaign to recruit young women as students of schools of nursing was carried on.

It was decided that in order to do effective work, it would be necessary to employ a state speaker for at least three months' work. The hospitals conducting schools of nursing were asked to contribute one dollar per student to a speaker's fund. With a generous response from the hospitals came a donation from the State Nurses Association of five hundred dollars and several hundred dollars from the Red Cross chapters. Each of the four districts of the State Nurses Association and the Indianapolis Rotary Club contributed. The American Red Cross

provided several thousand pamphlets and posters for distribution, and furnished all postage used during the campaign. The State Board of Health provided stenographic help. Many individuals gave freely of their time to make this campaign a success.

Miss Mary E. Gladwin, of Akron, Ohio, well known among nurses, was employed as the speaker. During January, February, and March, she addressed two hundred groups with a total attendance of 30,294 people. This number included sixteen colleges with 3,324 students, and 120 high schools with 20,000 students. Other groups addressed were teachers' institutes, women's clubs, medical societies, business men's clubs, student and graduate nurses, and Sunday schools.

The results of the campaign were gratifying. The supply of nurses was greatly increased; in fact, the so-called shortage has almost passed.

SPECIAL MEETINGS AND INSTITUTES ATTENDED

The director and Miss Petersen attended an institute on school nursing in Cleveland, Ohio, for one week. The institute was held under the direction of Miss Anna Stanley, a noted authority on school nursing.

The director attended an institute on the subject of nutrition which was held in Indianapolis, with Dr. Wm. R. P. Emerson, the nutrition expert, in charge.

The director attended the convention of the American Nurses Association in Seattle, Washington, June 26 to July 1. In connection with this meeting, the National Organization for Public Health Nursing had arranged an entire week's program of lectures, papers, conferences, round table discussions and demonstrations of public health nursing. Nurses and health experts of national reputation took part in the program. A special conference for state supervisors of public health nursing was held. The director took part in this program. Approximately 3,600 nurses attended the convention.

Aside from the specific activities mentioned above, the director and her assistant have accomplished the following routine duties during the year:

Supervisory visits made to county public health nursing services.....	68
Supervisory visits made to city public health nursing services.....	32
Talks to groups of nurses.....	17
Talks to other groups.....	20
Talks to local organizations and committees.....	60
Conferences and meetings attended.....	31

No special effort has been made by the division to tabulate a large number of activities, but our goal has been "results". It is very gratifying to know that the service has doubled itself several times within the last three years. On September 30, 1921, there were 161 public health nurses in the field. A year later the number had increased to 242. The standard of work compared most favorably with that of other states.

SUPPLY OF PUBLIC HEALTH NURSES

For the last three years the demand for public health nurses has been so great that there has never been, at any time, a sufficient num-

ber of nurses available to fill the positions. As a general thing, this division has from twenty to thirty unfilled requests for nurses on hand at all times. For this reason the various conferences and programs on public health have been presented and the matter urged before nurses and other groups. This year closes with only a few unfilled positions and a supply of nurses to meet the demand.

STATUS OF PUBLIC HEALTH NURSING

The General Assembly in 1921 passed a law permitting cities other than those of the first and fifth classes to appropriate funds to incorporate public health nursing associations "operating not for profit and solely for the promotion of public health." This is the only definite law pertaining to public health nursing which the state has at this time.

In many places public health nursing associations are organized and incorporated under the laws of the state. Various types of local women's clubs are employing public health nurses for generalized or specialized work. The results have been gratifying.

Both county and city boards of education may employ a graduate nurse as a supervisor of health and hygiene if she meets the educational requirements. In some instances county commissioners are making special appropriations for health work and employing public health nurses to do this work.

Local Red Cross chapters may be authorized, upon application to the National Red Cross, to use chapter funds for the establishment of a public health nursing service. Under certain conditions a local Red Cross chapter may join with another group to support a public health nurse.

Local tuberculosis associations are also authorized to use their funds for the organization and support of public health nursing work. Under certain conditions a local tuberculosis association may join with another group to support a public health nurse.

It has been the purpose of private organizations to develop and finance nursing services only until such time as governmental agencies shall take over the direction and support of such services.

OUTLOOK

The outlook for the development of public health nursing in the state has never been so favorable as it is at the present time. Work is being carried on in a greater number of counties and towns. City organizations are strengthening their services and endeavoring to raise the standard of their work. A great deal of attention is being given to the development of prenatal and infant welfare work. Health centers are being organized in various places, to provide health information and special demonstrations for mothers and expectant mothers.

NEEDED LEGISLATION

It is highly important that the next legislature give us a definite law pertaining to the employment of public health nurses.

There is a demand for a law permitting county and city boards of education to employ nurses as school nurses, rather than as teachers

of hygiene. There is a demand for a law permitting counties, cities, or towns to employ a public health nurse.

If work administered by this division is to continue and be developed in the most effective manner, legislative action, creating a division or department of public health nursing with sufficient appropriations for the work, will be necessary.

Noble.....	2	18	834	43	21	667	3	27	232	1,827
Ohio.....	1	8	383	36	51	146	36	9	286	947
Orange.....	1	5	119	26	63	181	41	15	66	511
Owen.....	1	6	64	12	267	214	6	2	74	639
Porter.....	1	1				4				4
Putnam.....	1	10	212			182	3	1	55	453
Randolph.....	1	10	70	10	42	287	14	29	171	623
Ripley.....	1	10	20	2	140	302	3	54	306	827
Rush.....	1	9	72	8	12	560	7	3	571	1,233
Scott.....	1	7	341	6	51	84	22	55	70	629
Shelby.....	1	6	560	13	22	138	35			698
Steuben.....	1	9				266		107		138
St. Joseph.....	1	8								373
Sullivan.....	1	11	79	8	703	258	27		112	1,187
Tippecanoe.....	2	22	170	7	403	301	54	39	1,003	1,977
Tipton.....	1	11	353	58	202	596	17	16	172	1,414
Vermillion.....	1	6	115	4	85	43	104			351
Wabash.....	2	19	951	41	98	1,107	20	4	426	2,647
Wells.....	1	7				530		55	139	724
White.....	1	9	379	10	76	168	184	31	136	984
Whitley.....	1	5	24		34	25		21	188	292
Total.....	63	564	13,829	772	4,338	18,319	2,160	1,368	12,962	53,748

ANNUAL REPORT BY COUNTIES OF WORK DONE BY PUBLIC HEALTH NURSES
FOR THE FISCAL YEAR ENDING SEPTEMBER, 1922

COUNTIES	VISITS MADE							Social Service
	Number School Children Inspected	Nurse Attendance at Infant Welfare Stations	Nurse Attendance at Tuberculosis Clinics	Nurse Attendance at Other Clinics	Classes and Clubs Conducted	Meetings Attended	Talks Given	
Allen.....	8,978				136	33	182	497
Bartholomew.....	124		12		22	36	74	5
Benton.....	4,898						158	
Blackford.....	341						30	6
Boone.....	2,143		5				48	
Carroll.....	117		1	37		3	60	3
Cass.....	2,578		1		18	21	79	22
Clinton.....	5,042			17	1		143	6
Dearborn.....	696	1			3		21	14
Delalb.....	495		2	39	10	45	223	8
Elkhart.....	3,670		11		60	18	160	32
Franklin.....	2,411				79	4	31	30
Fulton.....	3,440		2	11	44		189	
Gibson.....	3,419		7		15	11	73	154
Hendricks.....	5,493	94	5		22		153	
Henry.....	5,745		3	30	32	13	15	29
Jackson.....	2,109	97			168	17	34	6
Jasper.....	472	22				8	34	1
Jefferson.....	440	12		58	5	3	23	27
Johnson.....	4,244	1	1		3	5	40	4
Knox.....	2,882		1		4		81	
Kosciusko.....	3,000	2	1		11	1	52	
Lagrange.....	4,573	9	1		4		136	
Lake.....	4,735	6	10		79	19	78	17
Laporte.....	3,133		2		10	14	95	3
Marion.....	7,772		3					
Marshall.....	3,365	1	17		15		46	20
Monroe.....	273							
Morgan.....	6,000					10		
Newton.....	3,852		2			2	26	84

Noble.....	1,766	4	5	3	3	76	31
Ohio.....	1,788	5	4	1	10	62	31
Orange.....	1,486	34				63	45
Owen.....	1,694				104	90	24
Porter.....	1,565						
Putnam.....	4,866		2	15	3	159	9
Randolph.....	3,254		2	10	10	246	80
Ripley.....	2,953	6		9		97	9
Rush.....	1,470		1		12	101	
Scott.....	1,560			5		69	14
Shelby.....	52					6	45
Stenben.....	2,580			112		144	
St. Joseph.....	3,544		7			320	
Sullivan.....	1,153	14		23		14	27
Tippecanoe.....	5,469	61		5		139	49
Tipton.....	2,789	16	22	22	15	126	91
Vermillion.....	1,031	3	9		22	57	140
Wabash.....	5,981	34	2	7	6	122	
Wells.....	3,250	2			26	138	
White.....	2,177		1	8	10	63	15
Whitley.....	494	2			19	100	
Total.....	146,332	426	142	1,257	432	4,484	1,758

ANNUAL REPORT OF WORK DONE BY PUBLIC HEALTH NURSES IN CITIES AND TOWNS FOR THE FISCAL YEAR ENDING SEPTEMBER 1922
(The cities and towns listed below have separate services and are not covered by the Rural or County Public Health Nurse.)

CITIES	VISITS MADE								
	Bedside Nursing	Prenatal Nursing	Infant Welfare	School Nursing	Tuberculosis Nursing	Sanitary Inspections	Miscellaneous	Maternity	Deliveries Attended
Anderson.....	9,579	74		207				296	9,949
Bedford.....				96					207
Bloomington.....				108					96
Clinton.....				275					108
Crawfordsville.....									275
East Chicago.....	2,743	124	639		30	3		585	4,122
Elwood.....	2,142	2	2						149
Evansville.....	2,197	305	12,637		4,420		119	2,339	26
Elkhart.....	3,427	377	998	1,191	442	4	576		22,043
Frankfort.....				374					7,015
									374
Fort Wayne.....	3,283		127						3,410
Gas City.....				928					928
Greensburg.....				22					22
Hammond.....	1,555	156	330	3,496	84			30	5,652
Huntington.....	2,154	327	72	64	28				2,645
Indianapolis.....	55,681	15,300	22,812	38,706	13,671		213	440	146,170
Kendallville.....	1,204	73	112		150		131	335	2,222
Lafayette.....	2,208	80	314	44					3,114
Muncie.....	5,545	90	510	8,952		161			13,253
Portland.....	1,275	29	86	39	20			440	1,895
Rushville.....	2,874								2,874
Richmond.....	456	115	450	934	234			456	13
South Bend.....	13,150	1,044				544	771	1,425	2,658
Terre Haute.....	4,199	38	143	1,479	1,341	224	4,533	120	18,651
Washington.....				608					12,077
Total.....	111,672	18,134	39,223	59,052	20,421	936	6,343	6,476	262,522

ANNUAL REPORT OF WORK DONE BY PUBLIC HEALTH NURSES IN CITIES AND TOWNS—Continued.

CITIES	VISITS MADE						
	Number School Children Inspected	Nurse Attendance at Infant Welfare Stations	Nurse Attendance Tuberculosis Clinic	Nurse Attendance at Other Clinic	Clubs and Classes Conducted	Meetings Attended	Talks Given
Anderson.....	2,080						
Bedford.....	273						
Bloomington.....	2,124						
Clinton.....	1,758						
Crawfordsville.....		104	2		2		
East Chicago.....			125	35	11		149
Elwood.....	7,186		1				37
Evansville.....	1,653						
Elkhart.....							
Frankfort.....							
Fort Wayne.....	1,380		2		32		
Gas City.....	700				24		
Greensburg.....	1,318	40			35		350
Hammond.....	1,760	12	8		36		120
Huntington.....							
Indianapolis.....	123,695	364	7				
Kendallville.....							
Lafayette.....	1,201				64		12
Muncie.....	8,537		3			30	379
Portland.....							
Rushville.....	1,254		1	104	180		
Richmond.....	2,483	50	5				
South Bend.....	42,589	50	15		24		304
Terre Haute.....	10,000				90	20	120
Washington.....	1,600						
Total.....	211,591	620	169	139	498	50	1,314
							157

REPORT OF THE TUBERCULOSIS DIVISION

STAFF

DR. H. W. McKANE, Director.

MISS F. A. DUTCHER, Public Health Nurse.

RAYMOND BRIGHT, Manager Exhibits.

The purpose of the Tuberculosis Division is to teach the doctrine of prevention, warning the people to protect their children from infection, in as much as the infection of tuberculosis is practically acquired in childhood. It is generally believed that eight per cent of all cases of tuberculosis receive the infection in childhood.

Arrangements are made by appointment with local physicians, county, township, and city officials, tuberculosis associations, Red Cross societies, ministers, and civic bodies for exhibits, moving and stereopticon pictures, lectures, distribution of literature, visiting the tuberculous, conducting of clinics under the auspices of county medical societies, and visiting of schools.

Intensive campaigns were carried on in Hancock, Rush, Wayne, Switzerland, Ohio, Fulton, Harrison, Blackford, Franklin, Vermillion, Parke, Marshall, Morgan, Posey, Pike, Crawford, Perry, Johnson, Tippecanoe, and White Counties. Beginning with December and during the winter months, the division visited, lectured, and demonstrated the work of the division by moving and stereopticon pictures to sixty graded and high schools.

Following is the report of each quarter:

The Tuberculosis Division of the State Board of Health has been unusually active during the quarter. The first two weeks of October were given to the Carroll County Fair, and the Greencastle Street Fair. Moving and stereopticon pictures on the prevention of tuberculosis were shown and literature was distributed.

A change was made in the personnel and Miss Flora Dutcher, R. N., was appointed as nurse for the division.

The last half of the month was given to an intensive campaign in Hancock County. The Tuberculosis Association gave full co-operation and arranged for the various meetings throughout the county. Fountaintown, New Palestine, Charlottesville, Wilkinson, Mt. Comfort, Fortville, Maxwell, Mohawk, Shirley and Greenfield schools were visited during the day and lectures with moving and stereopticon pictures were given to the general public in the evenings. In all these various places the families in which tuberculosis has been reported were visited and the active and suspicious cases were reported to the Tuberculosis Association of the county for follow-up work. All the physicians in the county were visited and urged to report their patients to the county health officer.

From the 23d to the 25th the division attended the State Conference of Charities and Correction at Muncie. On Sunday, during the conference, the director addressed an audience in the Selma M. E. Church upon tuberculosis control.

At the close of the campaign in Hancock County a tuberculosis

clinic was held in Dr. C. H. Bruner's office at Greenfield under the auspices of the Hancock County Medical Society. Dr. H. S. Hatch, Superintendent of Sunnyside Sanatorium, conducted the clinic. Fifteen persons were examined and eleven were found to have positive tuberculosis.

During the month of November intensive tuberculosis campaigns were conducted in Rush and Wayne Counties in co-operation with the county tuberculosis associations. At Manila in Rush County, the division held a joint meeting with the Parent-Teachers' Association. Talks were made by Dr. Barnum, Rev. Able, Supt. Minor, and the director. The division visited the schools at New Salem, Glenwood, Moscow, Mays, Raleigh, and Rushville. Lectures illustrated with moving and stereopticon pictures were given in the evenings in each of these places. The director addressed the Rush County Medical Association upon the "Prevention and Control of Tuberculosis," and all of the physicians were urged to report at the Kiwanis Club, and spoke on tuberculosis control.

In Wayne County, Miss Ethel Clarke, Executive Secretary of the Social Service Bureau of Wayne County, arranged the itinerary and rendered whole-hearted co-operation. The schools at Milton, Cambridge City, Hagerstown, Fountain City, White Water, Centerville, Jacksonburg, Boston, Green's Fork, Economy, Dublin, and Richmond were visited and talks were given to all the school children instructing them how to avoid consumption. In the evening lectures with moving and stereopticon pictures were given.

The division held a joint meeting with the Federation of Farmers at Economy, Green's Fork and Williamsburg, and the director spoke especially in reference to tuberculosis in animals.

On the 2d of November, Dr. McKane and Mr. Law were guests of the Rotary Club at Richmond. Two reels of moving pictures on tuberculosis prevention and control were shown. Great interest was manifested in this meeting.

At the close of the campaign in Wayne County, the division held a clinic in Richmond. Dr. J. H. Stygall, Medical Director of the Indiana Tuberculosis Association, conducted the clinic with Dr. Markely of Richmond assisting. Seventeen patients were examined and seven were found to have positive tuberculosis.

The director and nurse, with the assistance of the local workers, visited and investigated 225 tuberculous persons and a report of the cases was given to the Tuberculosis Association for follow-up work.

In December, the division visited the public schools in North Vernon, Columbus, East Columbus, Williams, Heltonville, Tunnelton, Springville, Bedford, Vincennes, Washington, Shoals, and Mitchell. Dr. Wynn, the school physician of Bedford, said that each pupil (2,300 in number) had had physical examination this year. An evening meeting with lectures and moving and stereopticon pictures was held in all of these places, and splendid co-operation was given by all.

SUMMARY

Eight counties were visited during the quarter; forty-five cities and towns were visited; two tuberculosis clinics were held; about four thou-

sand pieces of literature were distributed; and about seven thousand persons attended the meetings.

During the month of January the following named counties were visited: Tippecanoe, Hendricks, Putnam, Parke, Vermillion, Clinton, Madison, Fountain, and Jasper. In Tippecanoe County the Union Township Consolidated School, the Mortimoor, Westpoint, Romney, Clarks-hill, Stockwell, and Lafayette Schools were visited and talks were given to the pupils. In the evening public meetings were held under the auspices of the Grain Growers Association and lectures on the prevention of tuberculosis were illustrated by moving and stereopticon pictures. An illustrated lecture was also given at St. Elizabeth's Hospital in Lafayette to the sisters and nurses. An additional feature of the work in Tippecanoe County was the showing of a two-reel picture, furnished by the State Veterinarian, depicting the bovine type of tuberculosis.

At North Salem, Roachdale, Montezuma, Dana, Colfax, Covington, Attica, Veedersburg, and Remington the usual program of visiting the schools and holding meetings for the general public was carried out.

Lectures on the prevention of tuberculosis were delivered before the Rotary Club of Anderson and the Optimist Club of Lafayette.

The division has added to its equipment the latest kolograph moving picture machine with a stereopticon attached. The machine has a 1,000-watt radiation and can be propelled by an electric generator attached to an automobile, making it possible to give full moving and stereopticon demonstrations remote from centers of population.

During the month of February, Newton and White Counties were visited. In Newton County the schools of Goodland and Kentland were visited during the day and meetings for the general public were held in the evening.

In White County a campaign was held under the auspices of the Red Cross and the Farmers' Federation. The rural schools were visited during the day and a joint public meeting was held in the Monticello high school in the evening. In addition to the talks and lectures given in the schools physical examinations of several hundred children were made. In Cass Township four rural schools were visited and a joint public meeting was held at Bell Centre.

From the 13th to the 18th, inclusive, the division attended the Public Health Institute at Indianapolis, and on the 23d and 24th the State Convention of the Indiana Tuberculosis Association.

The last of the month the division returned to White County to complete its work. The schools of Reynolds were visited and a joint meeting was held with the Farm Federation in the Presbyterian Church at Meadow Lake.

The division did intensive field work in White County the first of March under the auspices of the American Red Cross and the Farm Federation, Miss Linnie Best, County Nurse, representing the Red Cross, and Roscoe Frazier, County Agent, representing the Farm Federation.

The director and Miss Best visited the Monon schools and spoke in all rooms. Miss Dutcher visited three one-room schools during the day with Mr. Frazier.

A public evening meeting was held in the high school auditorium. A full program of moving and stereopticon pictures, including "Out of the Shadows," a film depicting the bovine type of tuberculosis, was shown. Roscoe Frazier was chairman. Miss Best and the director spoke. Three hundred persons were present.

The personnel of the division was entertained at a six o'clock dinner in the Monon Hotel by Dr. Ross Reagen, the city health officer.

The next day four one-room schoolhouses were visited. The director and the two nurses, Miss Best and Miss Dutcher, spoke to the pupils of these schools.

A public evening meeting was held jointly with the farmers in the Round Grove M. E. Church, Round Grove Township. One hundred fifty were present. Thomas Tolin, president of the Farm Federation, presided.

The Chalmers and Brookston schools were visited the next day. The director and the county nurse spoke to the pupils of these schools. Miss Dutcher spent the day visiting three small schools in the rural districts.

A public evening entertainment of moving pictures and talks was given in the high school assembly of the Brookston school. The director and Mr. Frazier spoke, laying special emphasis upon the bovine type of tuberculosis. Two hundred fifty persons were present.

Some of the dairymen in this community had refused to have their herds tested for tuberculosis.

On the week of the sixth the division was in Pulaski County. This was "Health Week" for Pulaski County, carried on under the auspices of the County Superintendent of Schools, Frederick Neel.

The division was in co-operation with the workers of the Indiana Tuberculosis Association, Mr. Cosper, field agent; Miss Shepherd, Crusade Worker; Indiana University Extension Department; the Misses Pitt and Loveless, registered nurses; Mr. Mathews, County Agent; and Dr. Kigin of the Veterinary Department of Purdue University.

Public evening meetings were held in most of the centers of population, the work being divided among the different workers. The schools were visited, and many of the pupils inspected for physical defects. Inspection was made of the pupils of Center, Fairview, Walters, Monterey public and parochial schools. Of the 289 children inspected 102 were found with defective tonsils, 203 with defective teeth, 70 with defective eyes, 33 with defective ears, and 163 under weight, and 101 over weight. The division was greeted by large audiences at Winamac, Beardstown, and Star City.

A tuberculosis clinic was held in Winamac, conducted by Dr. J. H. Stygall, medical director of the Indiana Tuberculosis Association. Twenty-seven persons were found to have active tuberculosis.

The 13th was given to a meeting at the State Sanatorium. Dr. and Mrs. Carter entertained the personnel of the division over night. Mr. Law gave a demonstration of moving and stereopticon pictures to the delight of the patients and the help of the institution. All but ten of the 120 patients were able to attend the entertainment. Dr. Carter said that there had been only one death at the sanatorium in six months and

that there never had been a death of a child during his administration. There are at present thirty-nine children, and all are attending school. This record should dispel the fear of acquiring tuberculosis at a tuberculosis hospital.

The next day the division visited the schools of Marshall and gave a public evening meeting to an audience of 200.

On account of the bad condition of the roads the division abandoned further work in the field. Preparations were made to begin the summer campaign in the rural districts. The division will start the summer work in Switzerland County the first of April.

Upon inspection of 289 children in the Walter, Fairview, Center, Monterey public and parochial schools in Pulaski County, none of the children was found normal.

IN THE PAROCHIAL SCHOOL IN MONTEREY

Examination of Teeth	Other Defects
35 children, no cavities	27 children, bad tonsils
13 children, 1 cavity	21 children, defective eyes
13 children, 2 cavities	13 children, defective ears
8 children, 3 cavities	47 children, over weight
4 children, 4 cavities	41 children, under weight
8 children, 5 cavities	5 children, perfect weight
2 children, 6 cavities	
3 children, 7 cavities	
4 children, 8 cavities	
1 child, 11 cavities	
1 child, 12 cavities	

IN THE CENTER SCHOOL

Examination of Teeth	Other Defects
17 children, no cavities	27 children, bad tonsils
17 children, 1 cavity	7 children, bad eyes
8 children, 2 cavities	4 children, bad ears
2 children, 2 cavities	17 children, over weight
7 children, 2 cavities	41 children, under weight
5 children, 4 cavities	4 children, perfect weight
3 children, 5 cavities	
2 children, 6 cavities	
5 children, 7 cavities	
1 child, 8 cavities	
2 children, 10 cavities	
1 child, 13 cavities	
1 child, 15 cavities	

IN THE FAIRVIEW SCHOOL

Examination of Teeth	Other Defects
19 children, no cavities	19 children, bad tonsils
9 children, 1 cavity	15 children, bad eyes
2 children, 2 cavities	4 children, bad ears
7 children, 3 cavities	24 children, over weight
5 children, 4 cavities	22 children, under weight
3 children, 5 cavities	2 children, perfect weight
2 children, 7 cavities	
1 child, 8 cavities	
1 child, 10 cavities	

IN THE WALTER SCHOOL

Examination of Teeth	Other Defects
11 children, no cavities	15 children, defective tonsils
5 children, 1 cavity	17 children, defective eyes
8 children, 2 cavities	7 children, defective ears
4 children, 3 cavities	6 children, over weight
6 children, 4 cavities	36 children, under weight
5 children, 5 cavities	
6 children, 6 cavities	
1 child, 8 cavities	
1 child, 16 cavities	

The division conducted educational campaigns in Ohio, Switzerland, Fulton, and Vigo Counties during the month of April.

In Ohio County public evening meetings were held in Rising Sun and Aberdeen, and day meetings and inspections were held in six one-room schoolhouses. Mrs. Claudia Johnson, Red Cross county nurse, gave splendid co-operation.

In Switzerland County, the division was in co-operation with the Indiana State Tuberculosis Association, represented by Mr. Cosper and Miss Sheperd, and the State University Extension Department, represented by Miss Pitt and Miss Loveless. Inspections of school children were made and public evening meetings were held in Vevay, Patriot, Moorefield, Bennington, and East Enterprise. Day meetings and inspections of school children were made in eight one-room schoolhouses. There were 549 school children inspected. Dr. J. H. Stygall, Medical Director of the Indiana State Tuberculosis Association, conducted a clinic in Vevay. Twenty-nine were examined and only three were found to be tuberculous.

In Fulton County the division was hindered in its activities on account of excessive rains and flooded roads. Meetings were held in Rochester and Akron. Miss Fannie Thomas, Red Cross county nurse, assisted the division materially. Dr. J. H. Stygall conducted a clinic. Eight persons were examined and none was found to be tuberculous.

The division took part in the Milk Week campaign at Terre Haute and Vigo County the first week of May. The director was on the official program. He spoke also to the students of the State Normal.

A full program of moving and stereopticon pictures was given at Valley Mills.

The division carried on a campaign in Harrison County during the month of May. Public evening meetings were held in Lanesville, New Amsterdam, Laconia, New Salisbury, and Palmyra. Large and enthusiastic audiences greeted the division in all these places. There were 47 positive cases of tuberculosis reported out of the State Bacteriological Laboratory in the last three years for Harrison County. These were visited and investigated and twelve were found to be dead.

The division participated in the Indiana Health Exposition in the Manufacturers Building at the State Fair Grounds.

Miss Grace Pitt, R. N., was appointed nurse temporarily during the absence of Miss F. A. Dutcher, who is doing post-graduate work.

Mr. Raymond Bright was appointed assistant to the director, to the

position held by O. T. Law, who was transferred to the Food and Drug Department, State Board of Health.

During the month of June the division was in Blackford, Franklin, and Morgan Counties. In Blackford County public evening meetings were held in Rolls, Trenton, Hartford City, Mill Grove, and Montpelier. The division was cordially received in all of these places. The Red Cross county nurse, Miss Lilah Curry, rendered whole-hearted co-operation. There were 46 positive cases of tuberculosis reported to the State Bacteriological Laboratory in the last three years and these were visited and investigated; twelve were found to be dead. Miss Pitt, the division nurse, discovered six new cases that had not been reported.

Franklin County was visited and public evening meetings were held in Mt. Carmel, Oldenburg, Blooming Grove, Brookville, and Laurel. The division was cordially greeted by large and enthusiastic audiences in all of these places. The Franklin County Tuberculosis Association and the American Red Cross, represented by Mrs. Roscoe C. O'Byrne and Miss Edna Yoder, respectively, gave the division very hearty co-operation. There were twenty active tuberculosis cases reported to the State Board of Health within the last three years from Franklin County, and these were visited and investigated. Miss Pitt discovered eleven new cases that had not been reported.

Investigations were made of the known tuberculous in Martinsville, Brooklyn, Mooresville, Monrovia, Cope, and Morgantown, Morgan County. Public evening meetings were held in Cope and Brooklyn.

The division sent out a letter to seventy-six county and city nurses over the state for information concerning the known tuberculous in the communities. Reports and lists of names and addresses were received from Boone, Carroll, Gibson, Ripley, Shelby, Knox Counties. The reports contained the names of 407 persons.

SUMMARY

During the quarter work was carried on in eight counties; 17 schools were visited; 549 school children inspected; 48 talks were given to school children; thirty-eight public meetings were held; approximately six thousand persons attended the meetings; 40 lectures were given; 2 clinics were held; 38 persons were examined and 3 were found tuberculous; 104 persons with tuberculosis were visited and investigated; 407 positive cases of tuberculosis reported by nurses from nine counties; 3,000 pieces of literature were distributed.

The division conducted campaigns in Morgan, Vermillion, Marshall, and Parke Counties during July. Public evening meetings were held in Vermillion County at Dana, Cayuga, Perrysville, Newport and Universal. Miss Emma Bunge, county nurse, stood sponsor for these meetings, and they were well attended by the people.

In Marshall County the division was in co-operation with the County Farm Federation and very successful meetings were held at Brenne, Bourbon, Culver, Plymouth, and Oliver Webb's farm in Polk Township. Miss Miriam Kehler, county nurse, gave the division hearty co-operation. Mr. Ben Wilkins, of the State Entomology Department, accompanied the division and showed a film on the care of bees.

In Parke County meetings were held in Rockville, Bridgeton, Rose-dale, Bloomingdale, and Tangier. The county superintendent, Professor J. B. Jollief, arranged the itinerary and assisted the division very materially.

Two meetings were held in Morgan County: Morgantown and Monrovia, which were well attended by the people.

Lectures, moving and stereopticon demonstrations were given in all of these places.

The first two weeks of August the division was in Posey and Pike Counties. Public evening meetings with lectures, moving and stereopticon picture demonstrations were given in the following places in Posey County: Mt. Vernon, New Harmony, Stewartsville, and Poseyville.

In Pike County the following places were visited: Petersburg, Winslow, Otwell, Union and Stendal. The people attending these meetings aggregated 1,275.

The division was on vacation from the 15th to the 30th of August. The director addressed the Posey County Teachers' Institute at Mt. Vernon on the 30th.

Circulars were sent to 150 tuberculous persons during the month.

Miss Grace Pitt, nurse, substitutes her report for the two counties.

Number of cases of positive sputum made at State Laboratory from 1919 to 1922, 19.

Report on above cases:

Dead	7
Advanced	6
Arrested	4
Quiescent	1
No report	1
Number of cases not previously reported.....	17
Homes visited	12
Local physicians visited.....	12

One local doctor reports that he has from fifty to seventy-five patients with suspicious chest signs.

PIKE COUNTY

Number of positive sputum made at State Laboratory from 1919 to 1922, 21.

Report on above cases:

Dead	8
Advanced	4
Arrested	5
Quiescent	3
No report	1
Number of cases not previously reported.....	16
Homes visited	11
Local doctors visited.....	10

During the quarter there were sent out from the office circulars bearing upon tuberculosis to 1,145 persons. The names of these people have been furnished the division by the nurses of the several counties and cities of the state.

The division attended the Owen County Fair at Spencer from the 27th to 30th of September. The exhibit and moving pictures were shown in the health tent to large crowds of people.

SUMMARY

Nine counties, 6 schools, 10 industries, and 2 teachers' institutes were visited; 35 evening meetings were held; 10,859 persons attended; 3,500 pieces of literature were distributed; 22 talks to schools were given; 249 tuberculosis cases were investigated that were reported to State Laboratory; 136 cases of tuberculosis not previously reported were investigated; 101 calls were made at homes; 100 doctors were visited.

FINAL SUMMARY

During the year 32 counties and 80 schools were visited. There were 329 talks given to schools; 126 public meetings held with an attendance of approximately twenty-six hundred; lectures delivered, 130; literature distributed, 8,000; school children inspected, 829; tuberculosis cases reported by the nurses over the state, 1,145; tuberculosis cases investigated, 578; calls at houses, 212; calls upon physicians, 165.

REPORT OF THE DIVISION OF VENEREAL DISEASES

DR. W. F. KING, Director.

DR. J. G. ROYSE, Assistant Director.

L. J. RAIL, State Investigator.

The work of the Division of Venereal Diseases has been conducted along the same general lines as in the past: namely, education, prevention, control, and treatment.

In the matter of treatment it may be said there has been no increase in the number of clinics, the same number of part-time and full-time clinics being maintained throughout the year as in the past. The list of these clinics, with their location, follows:

Anderson Clinic, City Hall Building, Anderson, Indiana.
Brazil Clinic, 10 E. Jackson Street, Brazil, Indiana.
Columbus Clinic, Crump-Lucas Building, Columbus, Indiana.
Evansville Clinic, Basement County Court House, Evansville, Indiana.
Fort Wayne Clinic, 202½ West Berry Street, Fort Wayne, Indiana.
Hammond Clinic, First National Bank Building, Hammond, Indiana.
Indianapolis Clinic, Market Street and Senate Avenue, Indianapolis, Indiana.
Jeffersonville Clinic, Jeffersonville Reformatory, Jeffersonville, Indiana.
Kokomo Clinic, 107½ Union Street, Kokomo, Indiana.
Madison Clinic, corner Main and West Streets, Madison, Indiana.
Marion Clinic, Queen City Building, Marion, Indiana.
Michigan City Clinic, County and City Building, Michigan City, Indiana.
Muncie Clinic, 207 North High Street, Muncie, Indiana.
Newcastle Clinic, Mouch Building, Newcastle, Indiana.
Richmond Clinic, Medical Building, Easthaven, Richmond, Indiana.
South Bend Clinic, 114½ South Lafayette Boulevard, South Bend, Indiana.
Terre Haute Clinic, City Hall Building, Terre Haute, Indiana.
Penal Farm Clinic, Putnamville, Indiana.

During the fiscal year a total of 5,491 new cases were admitted to these clinics. In the same time a total of 5,501 cases were discharged, some as cured, others after being rendered non-infectious, while many were transferred to private physicians and to health authorities outside of the state. In explanation of the number of cases discharged exceeding new cases received at the clinics, many of the cases discharged were cases remaining under treatment from the previous year. And the fact that the number discharged exceed the number of new cases is an additional evidence of decreased prevalence of the venereal diseases. During the year a total of 1,310 cases were placed in detention homes or under hospital treatment. Under the head of prevention and control a total of 7,087 cases of venereal diseases was investigated, while 5,306 visits were made by investigators from the various clinics. A total of 244 cases was placed in quarantine because of refusal to obey the reasonable orders and instructions of health officers. A total of 25 cases of prosecution was brought because of violation of orders of health officers, the decision in every case being on the side of public welfare. Total of 245 cases was transferred to health officers outside the State of Indiana; 619 cases transferred to health officers within the state; and 108 transferred to the treatment of private physicians. Special emphasis has been placed on educational work.

It is of prime importance that the entire population, as nearly as possible, of the State of Indiana know the real, essential facts pertaining to the venereal diseases. They must especially know the chain of connection between the incidence of the venereal diseases and the awful, final toll taken. It is believed that when the masses of people see this in its true light and know that much of insanity, all the locomotor ataxia, many serious nerve affections, many of the heart disease cases, and, in fact, a considerable percentage of all the diseases of middle life—mostly as grouped under the so-called “degenerative diseases”—are in reality the end results of syphilis; and that much of the blindness, the majority of the operations upon women, with the resultant mutilations and sometimes death, inefficiency, broken homes and other ills make up the aftermath of the gonorrheal incidence, then the people of this commonwealth will take up the problem of eradicating these diseases in earnest.

We, of course, through necessity, must reach the people in groups or classifications or in any other way that is most available. Two letters were sent to each of the mayors of the state—one of these letters calling their attention to the trail of venereal diseases which usually follow in the wake of traveling carnivals, and requesting that they give this matter their closest attention. The other letter explained to the mayors the purpose and plans of the venereal disease campaign and requested the names of the employees of each city. We have had splendid response and as a result have sent an especially prepared letter to 6,661 municipal employes, and enclosed therewith one of our leaflets entitled “What the People Must Know.” This leaflet sets forth the salient facts regarding the venereal diseases, their prevalence, insidiousness, persistence and the fact that the end result is usually attributed to something other than the true cause—syphilis or gonorrhea.

We have also written to each one of the 92 Auditors of State, requesting the names of the county employes, and as a result we have a large number of lists of these employes to whom we will send letters and literature during the coming year. Special literature explaining the venereal disease control work and its importance to industry was sent to the heads of 166 manufacturing enterprises of the state. Although most of the civic and social organizations of the state are in hearty sympathy with the campaign against venereal diseases, we deem it important to keep up the line of communication between these organizations and this bureau and to keep them informed from time to time so that their co-operation may be sustained and continuous. To this end we have sent letters to the president of each local Parent-Teachers' Association and to the president of every woman's club in the state—the latter having received two series of letters during this year. In these letters we have reviewed the work of the campaign somewhat and enclosed literature for distribution to the several members. The Woman's Christian Temperance Union has given especial attention to aiding us in every manner in our community work. A large number of the locals have put on community campaigns and distributed many thousand pamphlets. In addition, some of them have conducted exhibits or arranged for film showings and lectures. The League of Women Voters of Indiana has also rendered valuable assistance by distributing pamphlets to its membership. The reason that most of the work this year was directed toward women's organizations is that about all of the men's organizations and groups had been reached in former years.

In addition to the above much scattering work was done upon request of many activities and groups—Y. M. C. A., high schools, clubs, organizations, etc.

During the year two form letters were sent to all the physicians of Indiana. We deem it important that we communicate with the physicians occasionally and send them excerpts from the latest literature pertaining to the diagnosis and treatment of venereal diseases. During the year the Indiana Council on Social Hygiene was organized. Since this whole work is primarily a responsibility of the citizenry at large, it is endeavored through this organization to bring into co-ordination the effort of most of the civic and social organizations.

This bureau took an active part in the Indianapolis Public Health Institute held in Indianapolis in February. A splendid exhibit was arranged and lectures were given by numerous persons who were deemed most qualified to handle the subjects. In addition to this, clinics and laboratory facilities were available for attending physicians.

This division also had an exhibition at the Indiana Health Exposition held at the State Fair Grounds in May.

During the year there were 56 film showings, but owing to inadequacy of reports it is impossible to state the attendance. There were fourteen showings of exhibits—likewise it is impossible to name the attendance. There were sixty-seven lectures with an attendance of 11,443 persons. During the year we distributed 79,918 pamphlets—of these 27,763 were sent upon request and 52,165 were sent out upon our own initiative.

REPORT OF THE HOUSING DIVISION OF THE INDIANA STATE BOARD OF HEALTH

PERSONNEL

W. F. SHARPE, Director.

A. E. WERT, Assistant Director.

Z. SHOLTY, Clerk.

This is the first annual report of the work of the Housing Division of the Indiana State Board of Health, and is for the fiscal year ending September 30, 1922.

The Housing Division began its work October 1, 1921, by virtue of a specific appropriation made to the State Board of Health at the 72d regular session of the General Assembly, which session convened January 6, 1921.

The housing law of 1913 is a code of minimum requirements to be observed in the erection of tenements and apartments in our incorporated cities, to the end that sufficient light, air, yard spaces, comfort, health and convenience shall be insured to the inhabitants of this class of dwellings. The law of 1917 is entitled, "An act concerning dwellings or places of residence unfit for human habitation or dangerous or detrimental to life and health and providing penalties."

These two laws, in their titles, suggested an opportunity for subdividing the work of administration between the director and assistant director, the director administering the law of 1913, and the assistant director administering the law of 1917, though the Housing Division always acts as a single unit of administration.

FIELD CONTACT WITH THE WORK

The law of 1913 brings the director in contact with the local building inspectors, architects, realtors, builders, city clerks and property owners in the various cities, who are planning or are building tenements or apartments. This contact is more effective when personal, though very much good has been accomplished also through correspondence alone. This personal and correspondence contact has secured the voluntary submission of a large number of building projects to the Housing Division, which in all cases have been checked over and corrections made where not in accord with the housing law. Only a few of those plans are on file in the office as the director does not find a specific clause in the housing law to require it. In the light of the year's experience the director now believes that the Housing Division could venture to require, on the authorization of the State Board of Health, that all plans and specifications for tenements and apartment houses should be sent to the Housing Division in duplicate, one to be retained in the office, excepting in those cases where there is a local building inspector to retain a copy. This would enable the Housing Division to secure a more efficient and a more economical administration of the law of 1913, because more of the work could be done in the office and thus reduce the expense to the state of doing so much traveling.

As a body of reasonable rules and regulations adopted by the

State Board of Health to carry on its authorized work is held by the courts to have the authority of law, the above suggestion could be made effective without any modification in the housing law of 1913. The proposed rules and regulations herewith submitted include the above mentioned rule.

The director advises against asking for amendments to any of our housing laws at the coming session of the legislature. They are all good laws, with a few minor defects, and all that is needed is to keep up and extend their enforcement. In my judgment, it will require another year or more to bring about the maximum enforcement of the law of 1913.

The rapid development of zoning by the city plan commissions throughout the state will make possible another source of desirable co-operation with the Housing Division, and the enactment of a wise statewide building code would be another source of co-operation.

The local co-operative machinery for enforcing the law of 1913 in the various cities is potentially and legally present, but will require much insistence and patient pioneer work of the Division of Housing to make it more effective.

The local machinery for enforcing the law of 1917 was already a disciplined unit consisting of local health officers and health boards already accustomed to similar branches of work designed to conserve public health and safety.

The local forces of the State Board of Health have been utilized to advantage by the assistant director, and has incidentally emphasized the need of all-time local health officers.

The assistant director, Mr. A. E. Wert, has accomplished good work in the administration of the law of 1917. The assistant director in the line of his duties comes upon his work mainly by direct personal investigation of the bad housing conditions that have been found to exist in all our cities; he took photographs and notes on the spot; he secured the co-operation of the local health officers, police force, prosecuting attorneys, public health nurses, and community welfare organizations, and has prepared legal notices against negligent landlords where necessary and has already secured a 75% compliance with these orders, as the attached report of the assistant director shows; the remaining 25% of cases are still pending. But one appeal was taken by the owner to the circuit court and this case is still pending.

REPORTS

Both the director and the assistant director have made reports of the numerous trips made over the state. The director has visited 31 different cities in his work and the assistant director has visited all the incorporated cities in the state.

The records of the office contain copies of all trip, monthly, and quarterly reports.

INDIANA HEALTH EXPOSITION

From May 19-27, 1922, there was held at the State Fair Grounds in the Manufacturers Building a state health exposition. The Housing

Division, as it was the youngest division under the State Board of Health and in order to make a creditable showing, had almost to create an exhibit to best illustrate the character of its work.

The exhibit brought into sharp contrast good and bad housing conditions. Enlarged photographs were shown of certain bad housing conditions in the state. The exhibit was designed and carried out by the assistant director.

THE MORRISON RURAL SURVEY

On June 12, 1922, Mr. J. N. Morrison was appointed and commissioned by the State Board of Health to make a special investigation of rural housing and living conditions in Hamilton County.

Mr. Morrison was attached to the Housing Division at a salary of \$150 per month and expenses, and is paid out of the original appropriation of \$15,000. The Housing Division at once equipped Mr. Morrison with blank report cards and a Ford roadster for the work. There are 1,001 cards of information obtained from as many different rural homes containing 50 items of information on each card.

The director and clerk made a digest of the first 500 cards of this survey and made a report and observations on same under date of September 6, 1922, to the secretary of the State Board of Health. Your attention is invited to this report, Mr. Morrison having secured much valuable data in the survey and having done the work most thoroughly and satisfactorily.

PUBLICITY

Your special attention is called to the extensive number of photographs which have accumulated by virtue of the field work of Mr. Wert. Lantern slides have been made of many of these views and they have been used both by the director and the assistant director in giving illustrated talks to clubs throughout the state, usually a 30-minute talk following the noon luncheons; occasionally an evening and longer talk was given. This was found to be an effective means of bringing the work of the Housing Division before the public. A copy of all photographs taken is on file in the office with the proper identification and date written thereon.

Early in the fiscal year the office force prepared a pamphlet edition of the housing laws of 1913, 1917, and the zoning law of 1921, and printed an edition of 5,000 copies, of which about 4,300 are on hand, the other 700 copies having been sent out to architects, building inspectors, city clerks, mayors, editors, realtors, and local health officers throughout the state.

The director also prepared a series of ten articles on various phases of "Housing and Health" early in the year, and these were generally published by the public press of the state.

ASSISTANT DIRECTOR'S REPORT

The assistant director's special report for the year's work is hereto attached and made a part of this report.

CONCLUSION

The first year's operation of the Housing Division has been largely pioneer work.

The secretary, Dr. J. N. Hurty, pointed out the general trend of the work at the beginning of the fiscal year, and his long experience and guiding counsel has been one of our main assets in the year's work. The work of the entire staff has been efficient and harmonious throughout the year and the thanks of the division is hereby extended to the state board, the secretary and assistant secretary for the many courtesies extended to the division throughout the year.

REPORT OF THE ASSISTANT DIRECTOR

The work of the assistant director consists of field inspections, enforcing and following up of the provisions of the Indiana housing laws as provided for by Chapter 21, Statutes of 1917, "concerning dwellings and property unfit for human habitation or detrimental to life and health."

The department has received full co-operation of various city authorities and health officials throughout the state, and has investigated and remedied many cases that have been brought to our attention by the public health nurses.

The object has been to assure local health officials of state backing and help, to investigate actual conditions, to handle and enforce obstinate cases in which local officials have not been able to get proper compliance with their orders, to order improvements in cases that have not been brought to their attention, and to secure photographic evidence of existing violations, these photographs being used in connection with educational talks and prosecutions if necessary. The work accomplished in the period covered by this report is shown by the attached schedule.

SCHEDULE

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Total
Towns visited.....	16	17	34	33	100
Photos made.....	55	75	44	49	223
Inspections made.....	167	296	386	505	1,354
Verbal orders issued.....	16	42	83	132	273
Verbal orders complied.....	16	42	83	132	273
Written orders issued.....	34	56	55	31	176
Written orders complied.....	30	54	36	19	139
Written orders pending.....	4	2	19	12	37
Complaints received.....	47	63	113	165	388

Official orders (state) sent out	23
Cases appealed (Kokomo, S. S. Henry, now in court)	1
Lectures and talks before clubs and officials (informal)	7
Illustrated	4
Trip reports filed with director	21

DISTRIBUTION OF VERBAL AND WRITTEN ORDERS

Verbal orders issued	273
Written orders issued	176
Total	449

Houses, rooms, parts of houses and apartments vacated	54
Houses and parts of houses razed	9
Houses and parts of houses repaired	49
Vaults cleaned	75
Garbage	33
Cesspools cleaned and repaired	8
Wells and cisterns cleaned and repaired	7
Halls lighted	14
Hand rails ordered on stairs	7
Inside toilets repaired	15
Trash in yard	53
Houses cleaned	33
Water supply repaired	11
Plumbing repaired	11
Ventilation bettered	8
Living in basement	3
Stock in house	4
Sewer and drain repaired	28
Sheds removed	11
Hogs and chickens	11
Hides and junk	5
Total	449

Two houses in Michigan City vacated by this department and razed by State Fire Marshal.

CITIES AND TOWNS VISITED

First Quarter					
Evansville	:	:	:	Crawfordsville	
Princeton	:	:	:	Thorntown	
Vincennes	:	:	:	Lebanon	:
Lebanon					Third Quarter
Crawfordsville				Lafayette (2)	
Frankfort				Greencastle (2)	
Gary				Danville (2)	
Michigan City				Greenfield (2)	
South Bend				Seymour	
Peru				Columbus	
Logansport				Ladoga	
Wabash				Veedersburg	
Marion				Covington	
Kokomo				Attica	
Tipton				Frankfort (2)	
Noblesville				Lebanon (2)	
				Thorntown	
				Anderson	
Fort Wayne				Newcastle	
Richmond				Cambridge City	
Connersville				Richmond	
Rushville				Connersville	
Greensburg				Rushville	
Shelbyville				Shelbyville	
Hammond				Franklin	
Whiting				Crawfordsville	
Indiana Harbor				Delphi	
East Chicago				Monticello	
Newcastle				Rensselaer	
Anderson				Rochester	
Muncie				Logansport	
Logansport				Kokomo	

Fourth Quarter	
Connersville	Spencer
Rushville	Greencastle
Brookville	Crawfordsville
Lawrenceburg	Lafayette
Aurora	Delphi
Rising Sun	Monticello
Vevay	Logansport
Madison	Winamac
Vernon	Plymouth
North Vernon	Warsaw
Seymour	Columbia City
Columbus	Huntington
Nashville	Bluffton
Franklin	Montpelier
Martinsville	Hartford City
Bloomington	Muncie
	Anderson
Total, 100.	

REPORT OF THE DIVISION OF VITAL STATISTICS

H. M. WRIGHT, Registrar-Statistician.

DIVISION STAFF

HELEN SCRUBY, Certificate Clerk.
 CATHERINE DOERRE, Clerk-Typist.
 JULIA SPITZ, Clerk.
 KATHRYN GLEASON, Stenographer.
 JENNIE HOWE, Clerk.

Transcribing Clerks for U. S. Census Bureau—

JOSEPHINE WISHMIER (births).
 ANNE VINTON (births).
 ADAH L. KENDALL (deaths).

INTRODUCTION

The annual report of the Vital Statistics Division will be found in the following thirty-three tables, several showing comparison for past ten years. These tables have been prepared to give as much information as possible with limited space, more detailed tables are on file in this office. Total births in the state show an increase of 3,438, while total deaths show a decrease of 4,296 over the preceding year. Some diseases show an increase while others have decreased. The following comparison of death rates for five years in the state makes ready comparison.

	1921	1920	1919	1918	1917
Total births (stillbirths excl.)	68,247	64,809	59,273	64,313	63,073
Total deaths (stillbirths excl.)	35,134	39,430	37,077	46,361	39,785
Birth rate per 1,000 population	23.3	22.1	20.1	22.1	21.8
Death rate per 1,000 population	12.0	13.4	12.5	15.9	13.7
Deaths of infants (under 1 year) per 1,000 births	71.2	81.4	79.1	88.4	84.4

Death rate per 100,000 population from the following diseases:

Tuberculosis (all forms)	92.7	107.7	110.8	136.3	137.4
Typhoid fever	12.3	9.6	11.5	13.7	17.1
Diphtheria-Croup	23.9	12.2	10.9	14.7	15.3
Scarlet fever	5.2	6.6	2.7	4.0	4.9
Measles	2.4	9.8	2.4	4.1	19.0
Whooping cough	11.8	8.9	2.2	16.1	8.6
Pneumonia (all forms)	80.2	141.6	113.5	193.7	128.4
Influenza	10.6	78.1	99.4	216.4	19.5
Diarrhoea-Enteritis (under 2 years).....	37.9	35.2	34.8	42.6	51.1
Puerperal Septicemia	6.2	7.6	6.3	8.4	7.0
Cancer	91.7	88.4	85.4	88.0	87.9
Deaths from external causes	86.4	82.9	77.9	94.0	104.4

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1921 STATISTICAL TABLES

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TABLE No. 1.

DEATHS IN INDIANA, DURING THE YEAR ENDING DECEMBER 31, 1921, WITH RATES PER 100,000 OF POPULATION (U. S. CENSUS).

CAUSES OF DEATH		Total	Rate
TOTAL STATE OF INDIANA (Stillbirths excluded).....		35,134	12.0
International Number	I. GENERAL DISEASES	9,178	312.8
1	Typhoid fever.....	360	12.3
4	Malaria.....	33	1.1
5	Smallpox.....	21	.7
6	Measles.....	71	2.4
7	Scarlet fever.....	154	5.2
8	Whooping cough.....	348	11.8
9	Diphtheria and croup.....	700	23.9
10	Influenza.....	311	10.6
13	Cholera nostras.....	5	.2
14	Dysentery.....	163	5.5
18	Erysipelas.....	101	3.4
19	Other epidemic diseases.....	9	.3
20	Purulent infection and septicemia.....	118	4.0
22	Anthrax.....	1	.03
23	Rabies.....	1	.03
24	Tetanus.....	58	1.9
25	Mycosis.....	2	.07
26	Pellagra.....	5	.2
28	Tuberculosis of the lungs.....	2,173	74.1
29	Acute miliary tuberculosis.....	81	2.7
30	Tuberculosis meningitis.....	142	4.8
31	Abdominal tuberculosis.....	172	5.9
32	Pott's disease.....	34	1.1
33	White swellings.....	17	.6
34	Tuberculosis of other organs.....	50	1.6
35	Disseminated tuberculosis.....	43	1.4
36	Rickets.....	15	.5
37	Syphilis.....	206	7.0
38	Gonococcus infection.....	13	.4
39	Cancer of the buccal cavity.....	103	3.5
40	Cancer of stomach, liver.....	1,050	35.8
41	Cancer of peritoneum, intestines, rectum.....	318	10.8
42	Cancer of female genital organs.....	398	13.6
43	Cancer of the breast.....	230	7.8
44	Cancer of the skin.....	107	3.6
45	Cancer of other organs.....	475	16.2
46	Other tumors.....	26	.9
47	Acute articular rheumatism.....	95	3.2
48	Chronic rheumatism and gout.....	101	3.4
49	Scurvy.....	1	.03
50	Diabetes.....	421	14.4
51	Exophthalmic goitre.....	65	2.2
52	Addison's disease.....	11	.4
53	Leuchemia.....	59	2.0
54	Anemia, chlorosis.....	207	7.0
55	Other general diseases.....	54	1.8
56	Alcoholism (acute or chronic).....	50	1.6
57	Chronic lead poisoning.....	2	.07
58	Other chronic occupation poisonings.....	3	.1
59	Other chronic poisonings.....	6	.2
II.	DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.....	4,350	148.3
60-A	Lethargic encephalitis (sleeping sickness).....	51	1.7
60	Encephalitis.....	94	3.2
61-A	Simple meningitis.....	158	5.3
61-B	Cerebrospinal meningitis (undefined).....	53	1.8
61-C	Cerebrospinal fever.....	26	.9
62	Locomotor ataxia.....	51	1.7
63-A	Acute anterior poliomyelitis.....	34	1.1
63-B	Other diseases of the spinal cord.....	147	5.0
64	Cerebral hemorrhage, apoplexy.....	2,701	92.4
65	Softening of the brain.....	35	1.2
66	Paralysis without specified cause.....	375	12.8
67	General paralysis of the insane.....	203	6.9
68	Other forms of mental alienation.....	83	2.8
69	Epilepsy.....	117	4.0
70	Convulsions (nonpuerperal).....	4	.1
71	Convulsions of infants.....	44	1.4
72	Chorea.....	15	.5

TABLE No. 1.—Continued.

International Number	CAUSES OF DEATH	Total	Rate
73	Neuralgia and neuritis.....	23	.8
74	Other diseases of the nervous system.....	77	2.6
75	Diseases of the eyes and their annexa.....	3	.1
76	Diseases of the ears.....	56	1.9
III.	DISEASES OF THE CIRCULATORY SYSTEM.....	5,703	194.4
77	Pericarditis.....	40	1.3
78	Acute endocarditis.....	214	7.3
79	Organic disease of the heart.....	3,789	129.3
80	Angina pectora.....	335	11.4
81	Diseases of the arteries, antheroma, aneurysm.....	1,120	38.2
82	Embolism and thrombosis.....	160	5.5
83	Diseases of the veins.....	22	.8
84	Diseases of the lymphatic system.....	14	.4
85	Hemorrhage: other diseases of circulatory system.....	9	.3
IV.	DISEASES OF THE RESPIRATORY SYSTEM.....	3,029	103.3
86	Diseases of the nasal fossae.....	8	.2
87	Diseases of the larynx.....	31	1.1
88	Diseases of the thyroid body.....	74	2.5
89	Acute bronchitis.....	137	4.7
90	Chronic bronchitis.....	163	5.6
91	Broncho pneumonia.....	1,078	36.8
92-A	Lobar pneumonia.....	1,029	35.1
92-B	Pneumonia—undefined.....	242	8.2
93	Pleurisy.....	59	2.0
94	Pulmonary congestion, pulmonary apoplexy.....	74	2.5
95	Gangrene of the lung.....	5	.2
96	Asthma.....	69	2.3
97	Pulmonary emphysema.....	6	.2
98	Other diseases of the respiratory system.....	54	1.8
V.	DISEASES OF THE DIGESTIVE SYSTEM.....	3,795	129.3
99	Diseases of the mouth and annexa.....	27	.9
100	Diseases of the pharynx.....	165	5.6
101	Diseases of the oesophagus.....	3	.1
102	Ulcer of the stomach.....	101	3.4
103	Other diseases of the stomach (cancer excepted).....	426	14.5
104	Diarrhoea and enteritis (under 2 years).....	1,110	37.9
105	Diarrhoea and enteritis (2 years and over).....	438	14.9
107	Intestinal parasites.....	1	.03
108	Appendicitis and typhlitis.....	402	13.7
109-A	Hernia.....	90	3.0
109-B	Intestinal obstruction.....	224	7.6
110	Other diseases of the intestines.....	98	3.3
111	Acute yellow atrophy of the liver.....	17	.6
113	Cirrhosis of the liver.....	196	6.6
114	Biliary calculi.....	78	2.6
115	Other diseases of the liver.....	266	9.1
116	Diseases of the spleen.....	4	.1
117	Simple peritonitis (nonpuerperal).....	120	4.1
118	Other diseases of the digestive system.....	29	1.0
VI.	NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.....	3,188	108.6
119	Acute nephritis.....	318	10.8
120	Bright's disease.....	2,396	81.4
122	Other diseases of the kidneys and annexa.....	97	3.3
124	Diseases of the bladder.....	77	2.6
125	Diseases of the urethra, urinary abscess, etc.....	5	.2
126	Diseases of the prostate.....	111	3.7
128	Uterine hemorrhage (nonpuerperal).....	4	.1
129	Uterine tumor (noncancerous).....	49	1.6
130	Other diseases of the uterus.....	45	1.5
131	Cysts and other tumors of the ovary.....	21	.7
132	Salpingitis and other diseases of female genital organs.....	64	2.1
133	Nonpuerperal diseases of breast (cancer excepted).....	1	.03

TABLE NO. 1—Continued.

International Number	CAUSES OF DEATH	Total	Rate
VII.	THE PUERPERAL STATE.....	436	14.8
134	Accidents of pregnancy.....	42	1.4
135	Puerperal hemorrhage.....	33	1.1
136	Other accidents of labor.....	52	1.7
137	Puerperal septicemia.....	183	6.2
138	Puerperal albuminuria and convulsions.....	104	3.5
139	Puerperal alba dolens, embolus, sudden death.....	19	.6
140	Following childbirth (not otherwise defined).....	3	.1
VIII.	DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.....	145	4.9
142	Gangrene.....	94	3.1
143	Furuncle.....	23	.8
144	Acute abscess.....	18	.6
145	Other diseases of the skin and annexa.....	10	.4
IX.	DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.....	93	3.1
146	Diseases of bones (tuberculosis excepted).....	76	2.6
147	Diseases of the joints (tuberculosis and rheumatism excepted).....	16	.6
149	Other diseases of the organs of locomotion.....	1	.03
X.	MALFORMATIONS.....	441	14.9
150-A	Hydrocephalus.....	42	1.4
150-B	Congenital malformations of the heart.....	308	10.5
150-C	Other congenital malformations.....	91	3.0
XI.	EARLY INFANCY.....	1,917	65.2
151-A	Premature birth.....	1,159	39.6
151-B	Congenital debility, atrophy, marasmus, etc.....	283	9.6
152-A	Injuries at birth.....	168	5.7
152-B	Other causes peculiar to early infancy.....	298	10.1
153	Lack of care.....	9	.3
XII.	OLD AGE.....	258	8.8
XIII.	AFFECTIONS PRODUCED BY EXTERNAL CAUSES.....	2,530	86.0
	TOTAL SUICIDE.....	431	14.6
	ACCIDENTAL.....	1,913	65.1
	HOMICIDAL.....	166	6.3
155	Suicide by poison.....	116	3.9
156	Suicide by asphyxia.....	15	.5
157	Suicide by hanging or strangulation.....	70	2.3
158	Suicide by drowning.....	31	1.1
159	Suicide by firearms.....	162	5.5
160	Suicide by cutting or piercing instruments.....	23	.8
161	Suicide by jumping from high places.....	2	.07
162	Suicide by crushing.....	4	.1
163	Other suicides.....	8	.2
164	Poisonings by food.....	28	.9
165	Other acute poisonings.....	43	1.4
166	Conflagration.....	16	.6
167	Burns (conflagration excepted).....	132	4.5
168	Absorption of deleterious gases.....	28	.9
169	Accidental drowning.....	171	5.8
170	Traumatism by firearms.....	60	2.0
171	Traumatism by cutting or piercing instruments.....	9	.3
172	Traumatism by fall.....	312	10.6
173-A	Traumatism in mines.....	60	2.0
173-B	Traumatism in quarries.....	5	.2
174	Traumatism by machines.....	23	.8
175-A	Railroad accidents and injuries.....	265	9.0
175-B	Street car accidents and injuries.....	17	.6
175-C	Automobile accidents and injuries.....	313	10.7
175-D	Injuries by other vehicles.....	32	1.1
175-E	Landslide, other crushings.....	10	.4
175-F	Bicycle accidents and injuries.....	3	.1
175-G	Motorcycle accidents and injuries.....	16	.6
176	Injuries by animals.....	45	1.5

TABLE NO. 1—Continued.

International Number	CAUSES OF DEATH	Total	Rate
177	Starvation.....	4	.1
178	Excessive cold.....	2	.07
179	Effects of heat.....	28	.9
180	Lightning.....	28	.9
181	Electricity (lightning excepted).....	19	.6
182	Homicide by firearms.....	140	4.8
183	Homicide by cutting or piercing instruments.....	10	.4
184	Homicide by other means.....	36	1.2
185	Fractures (cause not specified).....	55	1.9
186	Other external violence.....	189	6.4
XIV.	ILL-DEFINED DISEASES.....	71	2.3
187	Ill-defined organic diseases.....	11	.4
188	Sudden death.....	3	.1
189-A	Ill-defined.....	26	.9
189-B	Not specified or unknown.....	31	1.1

TABLE No. 2
DEATHS BY COUNTIES, SEX, COLOR, CONJUGAL CONDITION AND NATIONALITY, YEAR 1921

	Total Deaths	Males	Females	White	Colored	Single	Married	American	Foreign
STATE TOTAL.....	35,134	17,835	17,299	33,615	1,519	10,536	24,598	32,262	2,872
Adams.....	183	90	93	183	.....	55	128	169	14
Allen.....	1,243	625	618	1,218	.....	246	897	1,053	190
Bartholomew.....	319	151	168	314	25	312	247	312	7
Benton.....	105	51	54	105	.....	35	70	93	12
Blackford.....	158	90	68	158	.....	60	98	151	7
Boone.....	285	160	125	282	3	75	210	280	5
Brown.....	106	51	55	106	.....	40	66	104	2
Carroll.....	146	65	81	146	.....	25	121	137	9
Cass.....	525	276	249	518	7	110	415	466	59
Clark.....	314	145	169	272	42	70	244	296	18
Clay.....	364	200	164	355	9	100	264	330	34
Clinton.....	337	170	167	335	2	98	239	331	6
Crawford.....	126	70	56	126	.....	41	85	126	.....
Davies.....	317	160	157	311	6	105	212	309	8
Dearborn.....	208	100	108	206	2	46	162	187	21
Decatur.....	223	112	111	223	.....	40	183	213	10
Dekalb.....	273	140	133	269	4	51	222	261	12
Delaware.....	671	330	341	619	52	200	471	698	13
Dubois.....	196	110	86	196	.....	75	121	179	17
Elkhart.....	673	340	333	670	3	155	518	633	40
Fayette.....	208	99	109	199	.....	49	159	203	5
Floyd.....	380	175	205	347	33	70	310	344	36
Fountain.....	198	100	98	198	.....	60	138	194	4
Franklin.....	184	80	104	184	.....	30	164	162	22
Fulton.....	199	101	98	199	.....	49	150	196	3
Gibson.....	327	171	156	311	16	105	222	315	12
Grant.....	700	375	325	667	33	200	500	675	25
Greene.....	430	210	220	428	2	190	240	420	10
Hamilton.....	288	148	140	280	8	65	223	281	7
Hancock.....	231	124	107	230	1	44	187	228	3

Harrison.....	177	95	82	176	1	56	121	170	7
Hendricks.....	229	110	119	226	3	48	181	294	5
Henry.....	394	225	169	386	8	116	278	302	2
Howard.....	505	255	255	491	14	175	330	490	15
Huntington.....	412	200	212	412	.....	118	294	395	17
Jackson.....	303	149	154	299	4	85	218	278	25
Jasper.....	141	76	65	141	.....	35	106	125	16
Jay.....	272	130	142	267	5	45	227	267	5
Jefferson.....	366	190	176	355	11	57	309	348	18
Jennings.....	139	75	64	135	4	25	114	126	13
Johnson.....	272	140	132	261	11	50	222	269	3
Knox.....	605	305	300	602	3	260	345	576	29
Kosciusko.....	290	145	145	290	.....	64	226	287	8
Lagrange.....	137	70	67	137	.....	35	102	135	2
Lake.....	1,847	1,000	847	1,690	157	993	854	1,377	470
Laporte.....	598	340	258	585	13	166	432	463	135
Lawrence.....	393	210	183	391	2	150	243	385	8
Madison.....	762	375	387	746	16	225	537	734	28
Marion.....	4,582	2,290	2,292	3,950	632	1,515	3,067	4,082	500
Marshall.....	260	125	135	258	2	65	195	240	20
Martin.....	132	60	72	132	.....	50	82	129	3
Miami.....	333	170	163	327	6	95	238	308	15
Monroe.....	246	135	111	234	12	86	160	244	2
Montgomery.....	360	190	170	350	10	83	277	350	10
Morgan.....	254	135	119	253	1	67	187	251	3
Newton.....	108	60	48	108	.....	32	76	94	14
Noble.....	265	140	125	264	.....	44	221	255	20
Ohio.....	45	20	25	44	1	5	40	42	3
Orange.....	197	100	97	191	6	57	140	197	.....
Owen.....	144	75	69	144	.....	35	109	144	.....
Parke.....	262	125	137	258	4	91	171	260	2
Perry.....	141	80	61	140	1	50	122	191	19
Pike.....	221	110	111	220	1	84	137	214	7
Porter.....	240	115	125	240	.....	70	170	188	52
Posey.....	182	95	87	174	8	51	131	171	11
Pulaski.....	130	73	57	130	.....	42	88	117	13
Putnam.....	234	120	114	228	6	75	159	230	4
Randolph.....	313	150	163	306	7	68	245	307	6
Ripley.....	197	80	117	196	1	48	149	166	31
Rush.....	242	125	117	242	.....	58	184	235	7

TABLE No. 2—Continued.

	Total Deaths	Males	Females	White	Colored	Single	Married	American	Foreign
Scott.....	83	25	58	83	.....	17	66	82	1
Shelby.....	280	145	135	273	7	52	228	267	13
Spencer.....	191	90	101	181	10	63	128	173	18
Starke.....	137	75	62	137	.....	34	103	114	23
Steuben.....	157	75	82	157	.....	19	138	154	3
St. Joseph.....	1,114	620	494	1,085	29	450	664	895	219
Sullivan.....	371	205	166	366	5	165	206	360	11
Switzerland.....	93	52	41	93	.....	18	75	91	2
Tippecanoe.....	709	350	359	702	7	140	569	643	66
Tipton.....	216	100	116	216	.....	56	160	212	4
Union.....	70	35	35	69	1	12	58	70	.....
Vanderburgh.....	1,204	625	579	1,034	110	351	853	1,089	15
Vermillion.....	312	150	162	302	10	112	200	282	30
Vigo.....	1,277	677	600	1,190	87	450	827	1,167	110
Wabash.....	287	125	162	286	1	53	234	276	11
Warren.....	106	50	56	106	.....	39	67	100	6
Warrick.....	226	115	111	223	3	79	147	210	16
Washington.....	157	75	82	157	.....	45	112	154	3
Wayne.....	711	300	411	676	35	138	573	663	48
Wells.....	237	112	125	237	.....	34	203	231	6
White.....	174	80	94	174	.....	45	129	163	11
Whitley.....	175	85	90	174	1	29	146	173	2

TABLE NO. 3.

TOTAL BIRTHS AND DEATHS WITH RATE PER 1,000 POPULATION FOR THE FOLLOWING CITIES, YEAR 1921

	BIRTHS		DEATHS	
	Total	Rate	Total	Rate
STATE OF INDIANA.....	68,247	23.3	35,134	12.0
RURAL.....	36,684	22.6	18,698	11.5
ALL CITIES OF 10,000 POPULATION.....	31,563	24.2	16,436	12.6
Indianapolis.....	7,051	22.4	4,118	13.1
Ft. Wayne.....	1,916	22.1	977	11.3
Evansville.....	1,755	20.5	1,002	11.7
South Bend.....	1,998	28.1	724	10.2
Terre Haute.....	1,500	22.6	895	13.5
Gary.....	1,817	32.8	710	12.8
Muncie.....	775	21.2	462	12.6
Hammond.....	991	27.5	404	11.2
East Chicago.....	1,122	31.1	391	10.9
Anderson.....	645	21.6	313	10.5
Kokomo.....	785	26.1	338	11.2
Richmond.....	456	17.0	309	11.5
Elkhart.....	584	24.0	303	12.5
Marion.....	541	22.7	343	14.4
New Albany.....	490	21.3	306	13.3
Lafayette.....	652	28.9	411	18.3
Logansport.....	498	23.0	252	11.7
Michigan City.....	523	26.8	258	13.3
Vincennes.....	458	26.6	286	16.6
Mishawaka.....	482	31.7	185	12.2
Laporte.....	412	27.1	174	11.5
New Castle.....	293	20.2	139	9.6
Huntington.....	364	26.0	197	14.1
Peru.....	309	24.0	146	11.8
Bloomington.....	370	31.9	146	12.6
Frankfort.....	259	22.3	162	13.9
Clinton.....	238	21.7	100	9.1
Elwood.....	264	24.4	141	13.1
Whiting.....	307	30.2	107	10.5
Crawfordsville.....	195	19.2	152	14.9
Jeffersonville.....	179	17.7	119	11.8

TABLE No. 4

DEATHS FROM IMPORTANT CAUSES BY OCCUPATION, SEX, COLOR, RURAL AND URBAN
YEAR 1921

OCCUPATION	Tubercu- losis (All forms)	Typhoid Fever	Lobar and Broncho- Pneumonia	Cancer	External Causes
Agriculture, forestry and animal husbandry.	270	46	225	415	330
Extraction of minerals.....	30	5	12	11	110
Manufacturing and mechanical industries..	520	55	250	325	640
Transportation (all forms).....	68	9	25	49	125
Trade (all kinds) of merchants and clerks..	100	10	55	120	140
Public service.....	14	.....	11	14	21
Professional service.....	53	7	25	40	30
Domestic and personal service.....	1,025	100	550	1,315	420
Clerical (in offices).....	50	5	8	14	15
None given.....	582	123	1,176	378	699
<i>By Sex and Color</i>					
Males.....	1,325	182	1,215	1,235	1,905
Females.....	1,387	178	1,134	1,446	625
White.....	2,459	345	2,179	2,618	2,405
Colored.....	253	15	170	63	125
<i>Comparison Rural and Urban</i>					
50 cities, population 1,304,468.....	1,273	152	1,190	1,298	1,261
Rate per 100,000.....	97.8	11.6	91.2	99.5	96.9
Balance of State, population 1,626,076.....	1,439	208	1,159	1,383	1,269
Rate per 100,000.....	88.4	12.7	71.2	85.0	78.0
Entire State of Indiana.....	2,712	360	2,349	2,681	2,530
Rate per 100,000.....	92.7	12.3	80.2	91.7	86.4

TABLE No. 5

NUMBER OF BIRTHS AND RATES PER 1,000 POPULATION BY COUNTIES FOR YEAR 1921

	Number	Rate	CENTRAL COUNTIES—Continued	
STATE OF INDIANA	68,247	23.3	Number	Rate
NORTHERN COUNTIES	25,754	24.4	Johnson	443 21.3
Adams	510 24.8		Madison	1,586 22.9
Allen	2,487 21.7		Marion	7,767 22.3
Benton	279 22.8		Monroe	730 29.7
Blackford	358 25.4		Montgomery	548 19.2
Carroll	307 18.8		Morgan	488 24.3
Cass	856 22.2		Owen	274 21.4
Dekalb	557 21.7		Parke	369 19.5
Elkhart	1,372 24.3		Putnam	421 21.2
Fulton	344 20.8		Randolph	597 22.5
Grant	1,171 22.8		Rush	429 21.7
Howard	1,107 25.1		Shelby	530 20.3
Huntington	784 24.7		Tippecanoe	984 22.9
Jasper	367 26.2		Tipton	370 22.9
Jay	550 23.5		Union	124 20.6
Kosciusko	621 22.8		Vermillion	634 22.9
Lagrange	255 18.2		Vigo	2,383 23.7
Lake	4,747 29.6		Warren	239 25.6
Laporte	1,249 24.7		Wayne	961 19.9
Marshall	566 23.8		SOUTHERN COUNTIES	15,540 23.6
Miami	655 22.8		Clark	548 18.6
Newton	221 21.7		Crawford	254 22.6
Noble	472 21.0		Daviess	701 26.4
Porter	457 22.5		Dearborn	455 22.7
Pulaski	297 23.9		Dubois	442 22.1
Starke	256 24.9		Floyd	646 21.0
Steuben	255 19.0		Gibson	683 23.3
St. Joseph	2,889 27.9		Greene	854 23.2
Wabash	565 20.7		Harrison	437 22.8
Wells	484 23.5		Jackson	590 24.3
White	377 21.7		Jefferson	422 20.3
Whitley	339 21.6		Jennings	291 21.8
CENTRAL COUNTIES	26,953 22.1		Knox	1,201 25.9
Bartholomew	492 20.5		Lawrence	866 30.6
Boone	515 21.8		Martin	314 26.4
Brown	191 27.2		Ohio	80 19.8
Clay	701 23.8		Orange	380 22.3
Clinton	611 22.0		Perry	434 26.0
Decatur	315 17.6		Pike	476 25.4
Delaware	1,185 22.0		Posey	458 23.6
Fayette	375 21.8		Ripley	403 21.5
Fountain	424 22.5		Scott	156 21.0
Franklin	335 22.6		Spencer	435 23.6
Hamilton	520 21.4		Sullivan	870 27.5
Hancock	329 19.1		Switzerland	195 20.9
Hendricks	401 19.2		Vanderburgh	2,088 22.6
Henry	682 19.6		Warrick	485 24.4
			Washington	376 22.5

TABLE No. 6

NUMBER OF DEATHS AND RATES PER 1,000 POPULATION BY COUNTIES FOR YEAR 1921

STATE OF INDIANA	Number	Rate	CENTRAL COUNTIES—Continued	
			Number	Rate
STATE OF INDIANA	35,134	12.0	Johnson	272 13.1
NORTHERN COUNTIES	12,024	11.4	Madison	762 11.0
Adams	183	8.9	Marion	4,582 13.2
Allen	1,243	10.9	Monroe	246 10.0
Benton	105	8.6	Montgomery	360 12.6
Blackford	158	11.2	Morgan	254 12.7
Carroll	146	8.9	Owen	144 11.3
Cass	525	13.6	Parke	262 13.9
Dekalb	273	10.7	Putnam	234 11.8
Elkhart	673	11.9	Randolph	313 11.8
Fulton	199	12.1	Rush	242 12.6
Grant	700	13.6	Shelby	280 10.8
Howard	505	11.5	Tippecanoe	709 16.6
Huntington	412	13.0	Tipton	216 13.4
Jasper	141	10.1	Union	70 11.6
Jay	272	11.7	Vermillion	312 11.3
Kosciusko	290	10.7	Vigo	1,277 12.7
Lagrange	137	9.8	Warren	106 10.9
Lake	1,847	11.5	Wayne	711 14.8
Laporte	598	11.9	SOUTHERN COUNTIES	7,721 11.7
Marshall	260	10.9	Clark	314 10.7
Miami	333	11.6	Crawford	126 11.2
Newton	108	10.6	Daviess	317 11.8
Noble	265	11.8	Dearborn	208 10.4
Porter	240	11.8	Dubois	196 9.8
Pulaski	130	10.5	Floyd	380 12.4
Starke	137	13.3	Gibson	327 11.2
Steuben	157	11.8	Greene	430 11.7
St. Joseph	1,114	10.8	Harrison	177 9.5
Wabash	287	10.5	Jackson	303 12.5
Wells	237	11.6	Jefferson	366 17.7
White	174	10.0	Jennings	139 10.5
Whitley	175	11.2	Knox	605 13.1
CENTRAL COUNTIES	15,389	12.6	Lawrence	393 13.9
Bartholomew	319	13.4	Martin	132 11.1
Boone	285	12.1	Ohio	45 11.2
Brown	106	15.1	Orange	197 11.6
Clay	364	12.4	Perry	141 8.4
Clinton	337	12.1	Pike	221 11.8
Decatur	223	12.5	Posey	182 9.4
Delaware	671	11.9	Ripley	197 10.5
Fayette	208	12.1	Scott	83 11.2
Fountain	198	10.5	Spencer	191 10.4
Franklin	184	12.4	Sullivan	371 11.7
Hamilton	288	11.9	Switzerland	93 9.9
Hancock	231	13.4	Vanderburgh	1,204 13.0
Hendricks	229	10.8	Warriek	226 11.4
Henry	394	11.4	Washington	157 9.4

TABLE No. 7

MARRIAGES IN INDIANA (BY COUNTIES) DURING YEARS 1918, 1919, 1920 AND 1921

COUNTIES	1921	1920	1919	1918	COUNTIES	1921	1920	1919	1918
STATE TOTAL	36,641	42,636	37,884	29,824	Laporte	256	668	592	390
Adams	180	188	199	125	Lawrence	325	361	302	194
Allen	1,085	1,322	1,149	791	Madison	698	859	680	604
Bartholomew	221	279	268	195	Marion	4,450	5,564	4,784	3,690
Benton	81	105	100	83	Marshall	195	190	228	181
Blackford	108	151	122	96	Martin	110	109	87	69
Boone	187	205	235	157	Miami	262	334	279	214
Brown	50	59	41	47	Monroe	303	279	280	183
Carroll	127	146	174	133	Montgomery	279	304	273	215
Cass	337	473	400	310	Morgan	210	267	230	131
Clark	2,699	3,448	3,255	3,121	Newton	71	97	66	54
Clay	391	464	418	350	Noble	156	195	161	134
Clinton	269	350	317	210	Ohio	54	53	67	45
Crawford	112	117	132	79	Orange	149	152	170	117
Davies	221	289	284	186	Owen	116	133	125	103
Dearborn	228	260	221	202	Parke	148	171	154	114
Decatur	166	173	198	124	Perry	201	176	212	138
Dekalb	183	203	221	141	Pike	167	161	162	107
Delaware	625	798	672	463	Porter	362	349	281	307
Dubois	153	174	150	81	Posey	275	319	143	223
Elkhart	553	604	606	437	Pulaski	104	123	121	90
Fayette	151	225	157	103	Putnam	217	214	203	170
Floyd	383	493	479	352	Randolph	228	266	270	200
Fountain	256	310	243	207	Ripley	128	138	141	78
Franklin	99	122	99	77	Rush	144	209	188	127
Fulton	106	136	145	106	Scott	113	109	103	58
Gibson	280	306	590	223	Shelby	268	317	260	211
Grant	532	623	628	466	Spencer	384	395	335	258
Greene	351	382	390	304	Starke	90	90	87	114
Hamilton	228	246	232	190	Steuben	67	112	96	103
Hancock	228	254	227	174	St. Joseph	1,308	1,412	1,228	770
Harrison	114	110	142	114	Sullivan	306	345	322	218
Hendricks	191	182	144	98	Switzerland	54	52	52	51
Henry	240	394	401	258	Tippecanoe	454	492	459	399
Howard	452	619	596	330	Tipton	165	179	169	118
Huntington	243	318	287	127	Union	31	43	45	42
Jackson	192	168	193	123	Vanderburgh	1,257	1,489	1,254	915
Jasper	244	148	122	88	Vermillion	167	173	196	248
Jr.	174	217	233	184	Vigo	1,548	1,720	1,585	1,371
Jefferson	238	239	240	171	Wabash	235	266	275	183
Jennings	110	131	117	94	Warren	94	96	99	76
Johnson	274	250	233	188	Warriek	171	189	205	182
Knox	537	706	580	416	Washington	140	115	129	148
Kosciusko	110	230	250	169	Wayne	866	525	508	359
Lagrange	89	126	125	88	Wells	174	222	183	130
Lake	5,082	5,600	3,786	4,028	White	146	142	153	115
					Whitley	115	119	141	75

TABLE No. 8

DEATHS FROM TUBERCULOSIS (ALL FORMS), 1921

	Total	Rate	CENTRAL COUNTIES—Continued	Total	Rate
STATE.....	2,712	92.7	Hendricks.....	19	93.6
Males.....	1,325		Henry.....	30	86.5
Females.....	1,387		Johnson.....	13	62.7
White.....	2,459		Madison.....	60	86.7
Colored.....	253		Marion.....	460	132.2
NORTHERN COUNTIES.....	783	74.2	Monroe.....	19	77.5
Adams.....	11	53.7	Montgomery.....	30	105.3
Allen.....	121	105.9	Morgan.....	15	74.9
Benton.....	5	40.9	Owen.....	13	101.8
Blackford.....	8	56.8	Parke.....	22	116.6
Carroll.....	9	55.2	Putnam.....	18	90.5
Cass.....	29	75.3	Randolph.....	24	90.6
Dekalb.....	17	66.4	Rush.....	18	93.6
Elkhart.....	48	85.1	Shelby.....	28	107.8
Fulton.....	18	109.2	Tippecanoe.....	44	102.8
Grant.....	48	93.5	Tipton.....	10	61.9
Howard.....	35	79.6	Union.....	4	66.4
Huntington.....	22	69.5	Vermillion.....	21	76.2
Jasper.....	8	57.3	Vigo.....	71	70.8
Jay.....	16	68.6	Warren.....	6	61.9
Kosciusko.....	16	58.9	Wayne.....	33	68.6
Lagrange.....	8	57.1	SOUTHERN COUNTIES.....	686	104.4
Lake.....	117	73.1	Clark.....	37	125.9
Laporte.....	30	59.5	Crawford.....	18	160.7
Marshall.....	13	54.8	Daviess.....	34	126.6
Miami.....	22	76.7	Dearborn.....	20	100.0
Newton.....	5	49.3	Dubois.....	20	100.4
Noble.....	14	62.3	Floyd.....	26	84.8
Porter.....	4	19.7	Gibson.....	14	47.9
Pulaski.....	2	16.1	Greene.....	44	119.7
Starke.....	11	107.0	Harrison.....	18	96.4
Steuben.....	4	29.9	Jackson.....	24	99.1
St. Joseph.....	103	99.7	Jefferson.....	36	173.8
Wabash.....	15	54.9	Jennings.....	13	97.9
Wells.....	13	63.3	Knox.....	38	82.2
White.....	8	46.1	Lawrence.....	37	131.1
Whitley.....	3	19.2	Martin.....	10	84.3
CENTRAL COUNTIES.....	1,243	102.1	Ohio.....	2	49.7
Bartholomew.....	24	100.4	Orange.....	25	147.3
Boone.....	31	131.5	Perry.....	16	95.9
Brown.....	9	128.7	Pike.....	14	74.9
Clay.....	21	71.3	Posey.....	15	77.6
Clinton.....	23	82.9	Ripley.....	9	48.1
Decatur.....	16	89.8	Scott.....	12	161.6
Delaware.....	67	118.8	Spencer.....	17	92.4
Fayette.....	21	122.5	Sullivan.....	24	75.8
Fountain.....	11	58.4	Switzerland.....	9	96.7
Franklin.....	24	162.1	Vanderburgh.....	126	136.5
Hamilton.....	16	66.1	Warriek.....	16	80.6
Hancock.....	22	127.8	Washington.....	12	72.1

TABLE No. 9

DEATHS FROM TYPHOID FEVER (ALL FORMS), 1921

	Total	Rate	CENTRAL COUNTIES—Continued	Total	Rate
STATE.....	360	12.3			
Males.....	182		Hendricks.....	2	9.9
Females.....	178		Henry.....	5	14.4
White.....	345		Johnson.....	2	9.6
Colored.....	15		Madison.....	10	14.5
			Marion.....	28	8.0
NORTHERN COUNTIES.....	107	10.1	Monroe.....	6	24.5
Adams.....	4	19.5	Montgomery.....	4	14.0
Allen.....	19	16.6	Morgan.....	3	14.9
Benton.....	1	8.2	Owen.....	3	23.5
Blackford.....	.....	.....	Parke.....	4	21.2
Carroll.....	1	6.1	Putnam.....	2	10.0
Cass.....	6	15.6	Randolph.....	3	11.3
Dekalb.....	1	3.9	Rush.....	2	10.4
Elkhart.....	5	8.8	Shelby.....	3	11.5
Fulton.....	1	6.1	Tippecanoe.....	5	11.7
Grant.....	4	7.8	Tipton.....	6	37.1
Howard.....	7	15.9	Union.....	.....	.....
Huntington.....	2	6.3	Vermillion.....	5	18.1
Jasper.....	2	14.3	Vigo.....	8	7.9
Jay.....	1	4.3	Warren.....	1	10.3
Kosciusko.....	3	11.1	Wayne.....	8	6.6
Lagrange.....	.....	.....	
Lake.....	22	13.8	SOUTHERN COUNTIES.....	119	16.6
Laporte.....	5	9.9	Clark.....	3	10.2
Marshall.....	5	21.1	Crawford.....	5	44.6
Miami.....	.....	.....	Daviess.....	8	29.8
Newton.....	1	9.9	Dearborn.....	1	5.0
Noble.....	2	8.9	Dubois.....	4	20.0
Porter.....	.....	.....	Floyd.....	3	9.8
Pulaski.....	2	16.1	Gibson.....	2	6.8
Starke.....	.....	.....	Greene.....	11	29.9
Steuben.....	.....	.....	Harrison.....	1	5.4
St. Joseph.....	5	4.8	Jackson.....	7	28.9
Wabash.....	4	14.7	Jefferson.....	1	4.8
Wells.....	.....	.....	Jennings.....	2	15.1
White.....	.....	.....	Knox.....	22	47.6
Whitley.....	3	19.2	Lawrence.....	9	31.9
			Martin.....	4	33.7
CENTRAL COUNTIES.....	134	11.0	Ohio.....	.....	.....
Bartholomew.....	4	16.7	Orange.....	2	11.8
Boone.....	1	4.2	Perry.....	4	23.9
Brown.....	2	28.5	Pike.....	4	21.4
Clay.....	3	10.2	Posey.....	2	10.3
Clinton.....	4	14.4	Ripley.....	2	10.7
Decatur.....	.....	.....	Scott.....	2	26.9
Delaware.....	6	10.6	Spencer.....	1	5.4
Fayette.....	.....	.....	Sullivan.....	3	9.5
Fountain.....	.....	.....	Switzerland.....	.....	.....
Franklin.....	1	6.7	Vanderburgh.....	9	9.8
Hamilton.....	1	4.1	Warrick.....	5	25.2
Hancock.....	2	11.6	Washington.....	2	12.0

TABLE No. 10

DEATHS FROM CANCER (ALL FORMS), 1921

	Total	Rate	CENTRAL COUNTIES—Continued	Total	Rate
STATE.....	2,681	91.7			
Males.....	1,235		Hendricks.....	20	98.5
Females.....	1,446		Henry.....	34	98.0
White.....	2,618		Johnson.....	19	91.6
Colored.....	63		Madison.....	70	101.2
			Marion.....	367	105.4
NORTHERN COUNTIES.....	937	88.7	Monroe.....	18	73.4
Adams.....	10	48.7	Montgomery.....	33	115.8
Allen.....	119	104.1	Morgan.....	20	99.9
Benton.....	7	57.3	Owen.....	12	94.0
Blackford.....	4	28.4	Parke.....	18	95.3
Carroll.....	15	91.9	Putnam.....	11	55.3
Cass.....	35	90.8	Randolph.....	29	109.5
Dekalb.....	24	93.7	Rush.....	27	140.3
Elkhart.....	72	127.6	Shelby.....	24	92.3
Fulton.....	17	103.1	Tippecanoe.....	57	133.1
Grant.....	42	81.7	Tipton.....	22	136.2
Howard.....	37	84.1	Union.....	6	99.6
Huntington.....	33	104.1	Vermillion.....	19	68.9
Jasper.....	14	100.2	Vigo.....	70	69.8
Jay.....	21	90.0	Warren.....	9	92.7
Kosciusko.....	33	121.6	Wayne.....	60	124.6
Lagrange.....	16	114.2			
Lake.....	94	58.7	SOUTHERN COUNTIES.....	557	84.7
Laporte.....	53	105.0	Clark.....	29	98.7
Marshall.....	19	80.0	Crawford.....	10	89.2
Miami.....	21	73.2	Daviess.....	35	130.3
Newton.....	8	78.8	Dearborn.....	12	60.0
Noble.....	27	120.1	Dubois.....	9	45.1
Porter.....	15	74.0	Floyd.....	42	136.9
Pulaski.....	13	104.9	Gibson.....	25	85.6
Starke.....	11	107.0	Greene.....	25	68.0
Steuben.....	14	104.7	Harrison.....	11	58.9
St. Joseph.....	96	92.9	Jackson.....	17	70.2
Wabash.....	21	77.1	Jefferson.....	28	135.2
Wells.....	19	92.6	Jennings.....	9	67.7
White.....	8	39.0	Knox.....	34	73.5
Whitley.....	19	121.4	Lawrence.....	31	109.8
			Martin.....	5	42.1
CENTRAL COUNTIES.....	1,187	97.4	Ohio.....	1	24.8
Bartholomew.....	24	100.4	Orange.....	17	100.1
Boone.....	16	67.8	Perry.....	8	47.9
Brown.....	5	71.2	Pike.....	15	80.2
Clay.....	27	91.6	Posey.....	16	82.7
Clinton.....	27	97.3	Ripley.....	19	101.6
Decatur.....	18	101.0	Scott.....	5	67.3
Delaware.....	53	94.0	Spencer.....	15	81.5
Fayette.....	13	75.8	Sullivan.....	23	72.7
Fountain.....	14	74.3	Switzerland.....	3	32.2
Franklin.....	8	54.0	Vanderburgh.....	88	95.3
Hamilton.....	16	66.0	Warrick.....	14	70.4
Hancock.....	21	122.0	Washington.....	11	66.0

TABLE No. 11

DEATHS FROM ALL CAUSES (ABRIDGED) FIVE YEARS COMPARISON

	1921	1920	1919	1918	1917
TOTAL DEATHS FROM ALL CAUSES.....	35,134	39,430	37,077	46,361	39,785
Typhoid fever.....	360	282	338	298	497
Smallpox.....	21	15	12	24	14
Measles.....	71	286	70	120	550
Scarlet fever.....	154	198	79	117	143
Whooping cough.....	343	261	64	469	251
Diphtheria and croup.....	700	353	320	428	44
Influenza.....	311	2,290	2,929	6,301	565
Pulmonary tuberculosis.....	2,254	2,659	2,780	3,408	3,435
Other forms tuberculosis.....	458	492	488	561	545
Syphilis.....	206	189	206	244	282
Cancer and other malignant tumors.....	2,681	2,592	2,518	2,558	2,542
Acute and chronic rheumatism.....	196	202	186	205	160
Diseases of the nervous system and of the organs of special sense.....	4,350	4,403	4,226	4,374	4,312
Organic heart disease (all forms).....	4,378	4,370	4,102	4,873	5,160
Diseases of the arteries (arterio sclerosis).....	1,120	1,213	1,024	1,109	910
Acute and chronic bronchitis.....	300	331	307	300	424
Pneumonia.....	2,349	4,150	3,348	5,640	3,714
Diseases of the stomach (cancer excepted).....	426	460	463	522	448
Diarrhoea and enteritis (under 2 years).....	1,110	1,032	1,028	1,240	1,478
Diarrhoea and enteritis (over 2 years).....	438	357	376	444	399
Cirrhosis of the liver.....	196	215	217	265	369
Other diseases of the liver.....	266	237	226	253	181
Acute nephritis and Bright's disease.....	2,714	2,951	2,789	2,791	3,180
Non-venereal diseases of the genito-urinary system and annexa.....	474	478	440	459	399
The puerperal state.....	436	485	428	525	414
Diseases of the skin and of the cellular tissue.....	145	152	135	136	110
Diseases of the bones and of the organs of locomotion.....	93	72	58	62	67
Malformations.....	441	444	419	468	543
Early infancy.....	1,917	1,983	1,704	1,824	1,828
Senility.....	258	416	340	296	230
Suicides.....	431	327	364	339	423
Accidental deaths.....	1,913	1,968	1,804	2,198	2,401
Homicides.....	186	135	130	109	194
Unknown or ill-defined diseases.....	70	109	67	69	24

TABLE No. 12
TUBERCULOSIS (All Forms)
DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	2,712	3,151	3,268	3,969	3,980	3,824	4,021	4,077	4,100	4,148
Rate per 100,000 Pop....	92.7	107.7	110.8	136.3	137.4	133.2	141.9	145.5	147.7	147.8
January.....	243	297	346	323	338	333	372	328	371	376
February.....	218	366	319	350	373	341	361	375	332	388
March.....	278	315	324	420	414	410	418	397	427	452
April.....	250	328	315	461	388	373	383	398	392	297
May.....	284	311	329	361	388	359	403	389	397	375
June.....	226	253	243	336	348	339	322	337	339	303
July.....	224	244	276	287	273	293	308	335	341	318
August.....	190	223	220	277	317	276	291	301	328	286
September.....	182	196	208	250	263	257	272	317	281	269
October.....	198	211	221	283	304	286	281	304	296	393
November.....	214	197	206	294	257	266	278	276	297	280
December.....	205	210	261	327	317	291	332	320	299	311

TUBERCULOSIS (All Forms)
DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	65	71	42	64	87	89	73	104	133	143
1 year.....	38	44	31	55	88	66	74	70	88	79
2 years.....	13	20	32	19	24	24	42	46	27	46
3 years.....	13	19	21	13	15	19	21	26	26	35
4 years.....	5	14	11	7	17	18	23	15	22	14
5 to 9 years.....	28	49	35	68	59	66	64	61	82	67
10 to 14 years.....	43	62	68	90	84	91	77	72	83	89
15 to 19 years.....	217	284	287	322	285	292	307	261	293	267
20 to 24 years.....	333	400	402	509	474	458	470	487	479	511
25 to 29 years.....	312	371	415	506	472	479	498	489	485	549
30 to 34 years.....	269	295	323	361	375	380	409	467	433	410
35 to 39 years.....	227	295	318	344	358	348	352	335	355	340
40 to 44 years.....	198	203	224	304	283	253	296	290	282	283
45 to 49 years.....	168	203	194	259	270	216	234	235	231	204
50 to 54 years.....	157	168	159	193	201	190	260	246	239	211
55 to 59 years.....	153	143	181	185	221	197	204	221	193	171
60 to 64 years.....	145	137	146	173	168	163	190	171	189	167
65 to 69 years.....	122	155	142	176	198	204	156	196	163	193
70 to 74 years.....	108	99	98	138	174	151	134	150	152	141
75 to 79 years.....	59	86	83	75	93	60	89	81	103	82
80 to 89 years.....	36	30	55	49	25	55	32	45	45	52
90 years and over.....	3	3	1	3	9	4	16	9	4	4

TABLE No. 13
PULMONARY TUBERCULOSIS
DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	2,254	2,659	2,780	3,408	3,435	3,259	3,444	3,471	3,473	3,364
Rate per 100,000	76.8	90.9	94.3	117.0	118.8	113.8	121.8	124.1	124.1	125.2
January	202	254	306	282	304	297	326	289	323	318
February	174	328	280	297	327	312	314	340	289	333
March	235	280	281	365	366	355	371	339	372	385
April	199	286	277	394	335	318	319	342	349	321
May	233	265	278	301	355	306	344	323	325	322
June	195	206	211	291	279	281	269	292	288	252
July	190	199	216	242	239	242	272	283	283	270
August	160	188	177	230	261	217	241	254	274	244
September	156	154	177	202	223	213	248	259	232	196
October	149	159	183	245	250	241	249	261	235	234
November	183	165	173	260	217	229	241	234	243	226
December	178	175	221	299	279	248	280	265	260	263

PULMONARY TUBERCULOSIS
DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	16	31	18	29	35	36	34	45	55	53
1 year.....	17	21	6	21	22	20	27	15	34	32
2 years.....	5	5	7	14	12	8	15	14	11	16
3 years.....	1	13	18	13	11	4	7	7	11	7
4 years.....	1	5	13	7	5	9	7	10	7	4
5 to 9 years.....	12	21	17	27	24	32	28	23	41	29
10 to 14 years.....	31	39	45	61	54	63	51	49	56	57
15 to 19 years.....	184	250	254	282	255	261	264	230	260	229
20 to 24 years.....	298	360	375	447	435	405	433	449	439	451
25 to 29 years.....	279	345	380	475	431	445	452	452	455	507
30 to 34 years.....	234	260	280	329	350	354	369	426	381	370
35 to 39 years.....	202	270	288	312	325	312	325	305	320	301
40 to 44 years.....	175	175	200	225	243	232	270	263	249	253
45 to 49 years.....	145	165	159	202	252	189	210	201	207	186
50 to 54 years.....	135	145	137	175	199	170	228	221	201	183
55 to 59 years.....	126	115	156	159	170	166	180	200	169	147
60 to 64 years.....	125	120	120	150	151	135	168	148	156	141
65 to 69 years.....	95	135	125	148	169	184	146	171	136	160
70 to 74 years.....	91	90	86	122	145	131	112	130	126	116
75 to 79 years.....	49	75	73	66	95	50	78	67	86	72
80 to 89 years.....	31	26	42	43	44	50	40	39	37	47
90 years and over.....	2	3	1	3	.....	2	.....	6	4	4

TABLE No. 15

DIPHTHERIA AND CROUP

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	700	358	320	428	444	386	302	385	516	518
Rate per 100,000 populat'n	23.9	12.2	10.9	14.7	15.3	13.5	10.6	13.7	18.7	18.9
January.....	46	42	37	64	46	40	33	46	70	25
February.....	37	26	26	45	33	24	30	41	53	29
March.....	30	24	34	43	30	18	21	35	27	25
April.....	38	22	21	47	34	21	14	21	22	19
May.....	23	25	20	25	24	10	8	21	33	19
June.....	25	11	20	14	20	10	11	13	23	17
July.....	29	16	20	21	24	5	17	11	21	10
August.....	24	9	15	24	22	19	10	21	37	25
September.....	71	18	17	31	33	40	23	28	44	68
October.....	151	50	29	35	64	66	43	39	59	107
November.....	130	48	44	40	52	69	47	52	76	106
December.....	96	67	37	39	62	64	45	57	51	78

DIPHTHERIA AND CROUP

DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	25	17	8	22	10	19	13	27	26	23
1 year.....	60	33	31	49	34	41	30	42	47	61
2 years.....	88	28	28	48	53	45	33	55	53	63
3 years.....	77	44	36	49	47	46	34	35	61	55
4 years.....	75	27	37	45	48	37	25	35	44	52
5 to 9 years.....	240	128	107	132	141	119	104	135	170	167
10 to 14 years.....	80	47	39	35	62	43	36	35	67	52
15 to 19 years.....	24	10	12	12	15	13	13	9	20	11
20 to 24 years.....	4	6	3	9	11	9	3	1	6	14
25 to 29 years.....	8	5	7	5	9	5	1	2	3	7
30 to 34 years.....	5	1	8	2	3	3	4	3	5	7
35 to 39 years.....	4	5	2	4	1	4	1	1	5	3
40 to 44 years.....	6	1	.....	1	5	.....	.....	.....	2	2
45 to 49 years.....	1	1	.....	3	2	.....	3	.....	.....	.....
50 to 54 years.....	1	.....	.....	.....	2	.....	.....	1	1	.....
55 to 59 years.....	.....	3	2	1	.....	.....	1	1	.....	.....
60 to 64 years.....	.....	.....	.....	1	1	.....	.....	1	1	.....
65 to 69 years.....	.....	.....	.....	.....	.....	2	.....	.....	1	.....
70 to 79 years.....	2	2	.....	.....	.....	.....	1	3	4	1

TABLE No. 16.

SCARLET FEVER

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	154	198	79	117	144	96	102	114	199	113
Rate per 100,000 populat'n	5.2	6.6	2.7	4.0	4.9	3.3	3.6	4.0	7.1	4.1
January.....	26	18	7	25	13	13	14	18	15	7
February.....	18	41	10	17	15	14	10	7	22	14
March.....	20	29	15	18	17	11	19	10	36	7
April.....	16	16	7	18	18	14	15	21	26	15
May.....	12	22	11	10	25	7	4	4	21	4
June.....	8	11	4	7	12	4	2	5	18	4
July.....	7	8	1	.....	5	1	1	4	5	4
August.....	4	4	3	5	2	1	2	.....	7	5
September.....	5	2	4	3	4	9	3	6	8	5
October.....	9	12	4	3	8	4	7	9	13	10
November.....	17	19	4	6	12	7	12	9	13	14
December.....	12	16	9	5	13	11	13	21	15	24

SCARLET FEVER

DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	8	7	2	4	12	9	9	4	7	5
1 year.....	21	14	1	14	13	9	13	15	12	14
2 years.....	8	16	4	11	22	10	8	15	19	12
3 years.....	15	15	13	9	16	13	16	7	21	16
4 years.....	14	19	4	12	10	6	6	8	13	10
5 to 9 years.....	33	57	28	30	35	27	29	40	68	29
10 to 14 years.....	24	24	7	18	20	8	12	10	29	11
15 to 19 years.....	9	18	8	11	5	6	4	5	13	5
20 to 24 years.....	8	11	7	2	4	2	2	.....	6	2
25 to 29 years.....	9	7	2	2	2	2	.....	5	5	6
30 to 34 years.....	2	5	1	1	2	3	1	1	2	1
35 to 44 years.....	3	4	1	2	2	1	1	3	3	1
45 to 54 years.....	.....	1	1	.....	1	.....	1	.....	1	1
55 to 90 years.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....

TABLE No. 17.

MEASLES

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	71	286	70	120	550	204	69	151	461	73
Rate per 100,000 populat'n	2.4	9.8	2.4	4.1	19.0	7.1	2.4	5.4	16.6	2.6
January.....	8	17	5	10	32	12	3	10	26	9
February.....	12	47	8	12	75	24	5	16	55	5
March.....	18	67	14	20	140	26	6	24	87	7
April.....	15	61	15	29	154	45	13	29	103	14
May.....	7	60	11	26	92	38	13	28	92	12
June.....	5	23	5	13	36	29	8	20	55	11
July.....	1	4	1	2	12	13	2	7	16	3
August.....	1	.....	.....	1	1	1	1	4	12	3
September.....	1	2	1	1	1	2	.....	1	2	1
October.....	1	.....	1	1	2	3	2	4	1	.....
November.....	1	2	4	3	2	6	6	6	3	1
December.....	1	3	5	2	3	5	10	2	9	3

MEASLES

DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

[illegible]

TABLE No. 18.

PNEUMONIA (All Forms)

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	2,349	4,150	3,348	5,640	3,714	3,318	3,098	2,860	2,672	2,838
Rate per 100 000 populat'n	80.2	141.6	113.5	193.7	128.4	115.9	109.6	102.1	96.3	103.7
January.....	453	624	536	519	707	705	434	447	444	483
February.....	314	266	471	363	669	432	580	370	414	413
March.....	306	566	832	466	613	472	566	510	452	441
April.....	194	289	423	565	356	366	396	457	271	323
May.....	149	331	210	277	253	209	138	210	184	154
June.....	70	134	73	73	129	100	91	88	99	71
July.....	58	88	56	72	96	67	64	70	85	60
August.....	71	80	48	63	70	61	42	73	63	81
September.....	99	70	68	136	107	114	86	65	71	93
October.....	150	130	121	1,284	125	164	124	109	128	167
November.....	208	217	174	883	253	271	212	180	214	210
December.....	277	355	336	939	336	357	365	281	247	342

PNEUMONIA (All Forms)

DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	550	790	655	775	764	648	801	695	647	713
1 year.....	155	265	178	322	270	196	182	204	193	221
2 years.....	74	120	84	149	89	93	83	71	77	105
3 years.....	29	57	56	92	64	41	38	45	57	30
4 years.....	26	41	35	52	22	24	20	22	20	25
5 to 9 years.....	75	30	130	150	69	74	71	61	76	60
10 to 14 years.....	24	55	65	125	48	39	30	39	31	34
15 to 19 years.....	33	95	85	278	57	71	54	54	40	44
20 to 24 years.....	26	149	157	423	72	67	49	34	42	57
25 to 29 years.....	46	260	232	586	85	72	64	53	52	53
30 to 34 years.....	60	205	192	517	75	67	62	43	59	61
35 to 39 years.....	85	190	176	375	123	102	77	72	62	62
40 to 44 years.....	85	140	93	198	100	98	78	71	83	87
45 to 49 years.....	54	130	106	153	140	109	96	86	71	79
50 to 54 years.....	55	136	114	151	135	113	114	110	109	98
55 to 59 years.....	85	175	115	124	181	139	128	116	104	110
60 to 64 years.....	122	176	148	172	210	205	152	177	105	126
65 to 69 years.....	150	225	153	184	229	220	179	190	134	161
70 to 74 years.....	150	277	200	176	265	247	237	197	215	198
75 to 79 years.....	175	265	136	175	320	285	245	184	218	207
80 to 90 years.....	260	335	209	227	375	348	287	285	242	258
90 years and over.....	30	34	29	38	21	60	41	51	35	49

TABLE No. 19.

DIARRHOEAL DISEASES (Under 2 Years of Age)
DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	1,110	1,032	1,028	1,240	1,478	1,679	1,156	1,627	1,732	1,628
Rate per 100,000 populat'n	37.9	35.2	34.8	42.6	51.1	58.7	40.9	58.2	66.1	59.5
January.....	34	48	48	53	49	57	50	59	42	50
February.....	35	43	47	73	42	57	45	42	38	45
March.....	38	56	48	97	72	71	54	54	61	50
April.....	35	37	42	73	65	73	61	58	63	53
May.....	49	42	38	59	60	71	51	76	50	45
June.....	69	42	60	52	60	82	51	91	104	57
July.....	213	68	144	138	212	274	141	279	339	272
August.....	185	157	165	242	346	351	198	320	426	376
September.....	222	231	166	233	335	331	220	295	229	360
October.....	148	207	157	131	129	191	151	223	249	218
November.....	45	72	81	48	53	75	77	89	84	68
December.....	37	29	32	41	55	46	57	41	47	34

DIARRHOEAL DISEASES (Over 2 Years of Age)
DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	438	357	376	444	399	453	383	460	506	566
Rate per 100,000 populat'n	14.9	12.1	12.8	15.2	13.8	15.8	13.5	16.4	18.2	20.7
January.....	22	15	11	22	22	21	22	33	22	25
February.....	18	24	9	24	14	19	14	22	19	34
March.....	19	33	15	37	13	24	21	24	25	35
April.....	21	25	22	30	24	18	27	29	18	27
May.....	28	15	16	28	24	21	17	21	25	29
June.....	37	18	15	23	29	24	20	29	48	29
July.....	83	29	48	51	47	78	38	63	76	66
August.....	76	59	87	78	75	75	62	84	108	112
September.....	42	45	62	80	78	90	59	61	68	102
October.....	47	47	50	33	34	42	49	41	51	56
November.....	29	28	21	20	12	25	24	30	31	30
December.....	16	19	20	18	27	16	30	23	15	21

TABLE No. 20.

INFLUENZA (Lagrippe)

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	311	2,290	2,929	6,301	565	968	509	292	406	421
Rate per 100,000 populat'n	10.6	78.1	99.4	216.4	19.5	33.8	18.0	10.4	14.6	15.3
January.....	48	311	925	72	111	432	55	47	143	72
February.....	54	1,284	554	71	182	236	123	51	68	98
March.....	45	431	948	70	105	131	137	71	83	74
April.....	22	105	269	127	59	55	76	57	39	46
May.....	32	46	64	54	24	28	23	28	20	9
June.....	6	24	26	6	13	17	6	2	6	7
July.....	6	13	13	1	3	7	3	3	4	6
August.....	11	6	17	7	3	3	1	1	3	1
September.....	17	6	18	64	6	7	1	3	3	6
October.....	22	15	30	2,092	5	4	6	2	5	11
November.....	16	18	32	1,767	15	23	10	6	15	18
December.....	32	31	33	1,970	39	25	68	21	17	73

INFLUENZA (Lagrippe)

DEATHS BY AGES WITH COMPARISON FOR 10 YEARS

AGES	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	40	195	260	363	52	49	40	19	21	33
1 year.....	7	105	154	298	16	19	7	9	10	10
2 years.....	5	43	105	196	5	19	7	1	8	7
3 years.....	1	27	171	125	4	7	3	1	1	2
4 years.....	3	16	36	122	.....	1	4	.....	1	4
5 to 9 years.....	13	70	154	297	8	13	12	5	5	9
10 to 14 years.....	8	45	82	250	7	11	4	4	4	3
15 to 19 years.....	7	115	174	278	7	8	9	4	4	7
20 to 24 years.....	6	140	235	704	19	15	8	9	7	8
25 to 29 years.....	7	205	320	925	13	12	4	9	5	7
30 to 34 years.....	15	240	274	826	10	15	9	4	5	7
35 to 39 years.....	13	195	176	508	10	18	10	4	6	9
40 to 44 years.....	14	105	127	267	11	20	9	5	13	8
45 to 49 years.....	15	180	92	150	12	16	13	5	5	7
50 to 54 years.....	18	75	104	115	20	22	16	11	14	22
55 to 59 years.....	15	60	85	100	27	42	26	18	25	14
60 to 64 years.....	16	90	81	120	35	58	31	21	19	24
65 to 69 years.....	20	95	76	94	42	64	49	26	34	45
70 to 74 years.....	26	97	90	98	71	148	64	30	48	34
75 to 79 years.....	22	93	55	95	81	167	61	44	64	52
80 to 90 years.....	34	85	66	102	116	201	103	58	84	85
90 years and over.....	6	14	12	15	10	33	20	5	21	23

TABLE No. 21.

CANCER

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	2,681	2,592	2,518	2,553	2,542	2,383	2,314	2,193	2,226	2,017
Rate per 100,000 populat'n	91.7	88.4	85.4	88.0	87.9	83.3	81.9	78.4	80.1	73.4
January.....	228	240	208	225	216	207	177	172	198	154
February.....	196	211	191	206	217	203	176	162	185	163
March.....	228	225	205	258	242	207	203	183	189	180
April.....	245	213	197	199	206	194	201	202	168	183
May.....	223	194	195	192	223	189	193	208	204	142
June.....	233	230	225	208	174	181	202	195	173	178
July.....	214	239	262	212	219	197	197	194	207	184
August.....	261	196	219	234	212	209	206	190	204	166
September.....	210	219	191	205	205	206	200	176	197	146
October.....	234	201	202	208	203	207	193	170	177	172
November.....	212	212	202	216	209	180	194	173	168	163
December.....	197	212	221	195	213	203	172	168	156	186

EXTERNAL CAUSES

DEATHS BY MONTHS WITH COMPARISON FOR 10 YEARS

	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Accidental.....	1,913	1,968	1,800	2,198	2,401	2,270	1,972	2,092½	2,453	2,049
Suicides.....	431	327	364	339	423	484	425	478	441	458
Homicides.....	186	135	130	109	194	143	149	178	152	131
MONTHS										
TOTAL.....	2,530	2,430	2,298	2,646	3,018	2,897	2,546	2,748	3,046	2,628
January.....	179	183	172	185	213	207	194	196	187	185
February.....	195	155	150	215	217	178	193	187	176	183
March.....	159	209	171	245	282	192	203	225	269	205
April.....	176	169	186	216	231	201	203	196	232	196
May.....	242	205	185	216	268	231	205	228	219	204
June.....	265	206	215	279	265	250	196	274	325	218
July.....	282	243	238	273	308	383	266	280	361	265
August.....	219	197	203	258	273	324	233	270	347	253
September.....	220	215	208	197	243	259	240	228	256	231
October.....	202	229	187	204	247	233	185	250	221	225
November.....	186	220	195	189	258	214	200	220	239	235
December.....	205	199	188	169	213	225	228	192	214	226

TABLE No. 22

EXTERNAL CAUSES
DEATHS BY EXTERNAL CAUSES FOR 7 YEARS

	1921	1920	1919	1918	1917	1916	1915
TOTAL EXTERNAL DEATHS.....	2,530	2,430	2,298	2,646	3,018	2,897	2,546
Rate per 100,000 Population.....	86.0	82.9	77.9	94.0	104.4	101.2	90.1
155 Suicide by Poison.....	116	91	111	97	108	180	147
156 Suicide by Asphyxia.....	15	13	17	9	17	12	13
157 Suicide by Hanging.....	70	69	59	59	73	69	64
158 Suicide by Drowning.....	31	21	29	21	23	28	26
159 Suicide by Firearms.....	162	107	115	122	154	155	130
160 Suicide by Cutting.....	23	15	21	22	35	25	23
161 Suicide by Jumping.....	2	4	1	2	2	5	4
162 Suicide by Crushing.....	4	5	9	3	.....	4	9
163 Suicide by Other means.....	8	2	2	4	11	6	9
TOTAL SUICIDES.....	431	327	364	339	423	484	425
164 Poison by Food.....	28	31	34	47	28	27	26
165 Poison by other means.....	43	49	48	52	51	44	45
166 Conflagration.....	16	24	15	14	30	21	33
167 Burns.....	132	157	160	200	159	139	152
168 Deleterious gases.....	28	53	39	55	94	76	54
169 Accidental drowning.....	171	122	163	137	147	186	148
170 Traumatism by firearms.....	60	58	46	63	78	69	72
171 Traumatism by cutting.....	9	2	9	2	5	14	21
172 Traumatism by fall.....	312	251	241	384	423	464	467
173 Traumatism by mines and quarries.....	65	103	91	111	117	56	56
174 Traumatism by machines.....	23	51	64	61	63	48	49
175 Other crushings.....	10	11	19	50	8	14	37
175-A Accidents.....	265	270	284	444	515	463	335
175-B Accidents, street car.....	17	39	40	46	92	95	71
175-C Accidents, automobile.....	313	363	241	217	208	167	125
175-D Injuries by other vehicles.....	32	36	37	24	65	64	84
175-F Accidents, bicycle.....	3	3	4	6	2	2	1
175-G Accidents, motorcycle.....	16	13	11	22	25	17	9
176 Injuries by animals.....	45	34	50	65	36	36	31
177 Starvation.....	4	6	8	11	2	.....	1
178 Excessive cold.....	2	7	4	10	17	17	7
179 Excessive heat.....	28	9	20	26	15	96	10
180 Lightning.....	28	16	22	12	17	20	13
181 Electricity (lightning excepted).....	19	29	37	44	39	33	23
185 Fractures.....	55	53	13	3	.....	1	2
186 Other external causes.....	189	178	104	92	165	101	100
ACCIDENTAL OR UNDEFINED.....	1,913	1,968	1,804	2,198	2,401	2,270	1,972
182 Homicide by firearms.....	140	105	93	77	140	96	107
183 Homicide by cutting.....	10	10	8	12	25	17	15
184 Homicide by other means.....	36	20	29	20	29	30	27
HOMICIDES.....	186	135	130	109	194	143	149

TABLE No. 23
SMALLPOX
DEATHS BY MONTHS WITH TOTAL FOR 10 YEARS

MONTHS	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
TOTAL.....	21	15	12	24	14	1	10	8	11	12
January.....	4	1	1	3	2		1	1	1	
February.....	3	2		7	1		1			2
March.....	1	2	1	2	1	1			1	3
April.....	3	2		3	1		3	1		2
May.....	3	1	1	3	3		1	1		
June.....	2		2	1	1			1	1	3
July.....	1		2	3	4					
August.....		1					2	1	1	
September.....		2								
October.....									3	1
November.....	1		2		1				3	
December.....	3	4	3	2			1	2		1

TABLE No. 24

TOTAL DEATHS AND RATE PER 100,000 POPULATION FOR TUBERCULOSIS (All Forms) AND
TYPHOID FEVER IN THE FOLLOWING CITIES—YEAR 1921

	Tuberculosis (All Forms)		Typhoid Fever	
	Total	Rate	Total	Rate
STATE OF INDIANA.....	2,712	92.7	360	12.3
CITIES:—				
Indianapolis.....	398	126.6	23	7.3
Ft. Wayne.....	68	78.6	18	20.7
Evansville.....	92	107.9	7	8.2
South Bend.....	46	64.8	3	4.2
Terre Haute.....	52	78.8	5	7.5
Gary.....	61	110.1	4	7.2
Muncie.....	43	117.4	6	16.4
Hammond.....	14	38.8	8	22.2
East Chicago.....	11	30.5	9	25.0
Anderson.....	16	53.7	5	16.8
Kokomo.....	28	93.1	3	9.9
Richmond.....	16	59.7	2	7.5
Elkhart.....	24	98.8	3	12.3
Marion.....	21	88.4	2	8.4
New Albany.....	20	86.9	3	13.0
Lafayette.....	26	115.6	5	22.2
Logansport.....	8	36.9	5	23.1
Michigan City.....	23	118.2	2	10.2
Vincennes.....	21	122.0	9	52.2
Mishawaka.....	17	111.8	2	13.1
Laporte.....	4	26.3	2	13.1
New Castle.....	11	76.0	1	6.9
Huntington.....	12	85.7	1	7.1
Peru.....	6	48.3		
Bloomington.....	14	120.7	2	17.2
Frankfort.....	12	103.5	1	8.6
Clinton.....	9	82.1	1	9.1
Elwood.....	11	101.9	3	27.8
Whiting.....	7	68.0	1	9.8
Crawfordsville.....	13	128.2		
Jeffersonville.....	15	148.5	1	9.9

TABLE No. 25

TOTAL DEATHS AND RATE PER 100,000 POPULATION FOR PNEUMONIA (All Forms) AND INFLUENZA IN THE FOLLOWING CITIES—YEAR 1921

	Pneumonia (All Forms)		Influenza	
	Total	Rate	Total	Rate
STATE OF INDIANA.....	2,349	80.2	311	10.6
CITIES:—				
Indianapolis.....	313	99.6	28	8.9
Ft. Wayne.....	58	67.1	4	4.6
Evansville.....	69	80.9	7	8.2
South Bend.....	55	77.4	3	14.2
Terre Haute.....	48	72.6	7	10.5
Gary.....	103	186.0	4	7.2
Muncie.....	34	93.1	10	27.3
Hammond.....	26	72.2	3	18.3
East Chicago.....	75	208.5	5	13.9
Anderson.....	24	80.6	4	13.4
Kokomo.....	15	50.4	1	3.3
Richmond.....	16	59.7	4	14.9
Elkhart.....	16	65.9	4	16.4
Marion.....	25	105.2	3	12.6
New Albany.....	9	39.1	6	26.0
Lafayette.....	17	75.6	4	17.7
Logansport.....	19	87.8	5	23.1
Michigan City.....	23	118.2		
Vincennes.....	22	127.8	1	5.8
Mishawaka.....	18	118.4	2	13.1
Laporte.....	5	32.9		
New Castle.....	11	76.0	4	27.6
Huntington.....	6	42.8	1	7.1
Peru.....	13	104.7		
Bloomington.....	19	163.8		
Frankfort.....	13	112.2	3	25.8
Clinton.....	10	91.2	3	27.3
Elwood.....	6	55.6	1	9.2
Whiting.....	13	128.1		
Crawfordsville.....	7	69.0	2	19.7
Jeffersonville.....	7	69.3	1	9.9

TABLE No. 26

TOTAL DEATHS AND RATE PER 100,000 POPULATION FOR CANCER AND EXTERNAL CAUSES
IN THE FOLLOWING CITIES—YEAR 1921

	Cancer		External Causes	
	Total	Rate	Total	Rate
STATE OF INDIANA.....	2,681	91.7	2,530	86.4
CITIES:—				
Indianapolis.....	336	106.9	249	79.2
Ft. Wayne.....	99	114.3	68	78.6
Evansville.....	83	97.3	75	87.9
South Bend.....	65	91.5	63	88.7
Terre Haute.....	57	86.2	104	157.2
Gary.....	26	46.9	111	200.4
Muncie.....	37	101.3	34	93.1
Hammond.....	30	83.3	58	161.0
East Chicago.....	19	25.0	45	125.1
Anderson.....	34	114.2	21	70.5
Kokomo.....	24	79.8	14	46.5
Richmond.....	19	70.9	8	29.8
Elkhart.....	31	127.6	19	78.2
Marion.....	22	92.6	20	84.2
New Albany.....	34	147.8	28	121.7
Lafayette.....	34	151.2	28	124.5
Logansport.....	20	92.4	11	50.8
Michigan City.....	18	92.5	19	97.7
Vincennes.....	17	98.8	22	127.8
Mishawaka.....	16	98.7	13	85.5
Laporte.....	23	151.7	11	72.5
New Castle.....	10	69.1	5	34.5
Huntington.....	19	135.7	10	71.4
Peru.....	19	72.5	7	56.4
Bloomington.....	10	86.2	7	60.3
Frankfort.....	15	129.4	15	129.4
Clinton.....	15	45.6	15	136.8
Elwood.....	15	139.0	7	64.8
Whiting.....	6	59.1	19	187.2
Crawfordsville.....	17	167.6	13	128.2
Jeffersonville.....	12	118.8	8	79.2

TABLE No. 27

1921—INFANT MORTALITY

BIRTHS IN INDIANA DURING THE YEAR SHOWING NUMBER OF DEATHS UNDER 1 YEAR PER 1,000 BIRTHS. ALSO SEX OF CHILDREN BORN

	Males	Females	Total Births	Deaths Under 1 Year	Infant Deaths Per 1,000 Births
STATE OF INDIANA.....	33,027	35,220	68,247	4,860	71.2
COUNTIES					
Adams.....	234	276	510	27	52.9
Allen.....	1,112	1,275	2,487	144	57.9
Bartholomew.....	250	242	492	41	83.3
Benton.....	149	130	279	16	57.3
Blackford.....	188	170	358	23	64.2
Boone.....	239	276	515	41	79.6
Brown.....	95	96	191	23	120.4
Carroll.....	152	155	307	15	48.9
Cass.....	423	433	856	59	68.9
Clark.....	232	316	548	35	63.9
Clay.....	335	366	701	52	74.2
Clinton.....	298	313	611	52	85.1
Crawford.....	132	122	254	17	66.9
Daviess.....	331	370	701	51	72.8
Dearborn.....	223	232	455	28	60.2
Decatur.....	139	176	315	26	82.2
Dekalb.....	252	305	557	30	53.9
Delaware.....	566	619	1,185	105	88.6
Dubois.....	236	206	442	31	72.4
Elkhart.....	707	665	1,372	83	60.1
Fayette.....	187	188	375	27	72.0
Floyd.....	294	352	646	30	46.4
Fountain.....	223	201	424	37	87.3
Franklin.....	149	186	335	17	50.7
Fulton.....	172	172	344	24	68.6
Gibson.....	324	359	683	47	68.8
Grant.....	601	570	1,171	95	81.1
Greene.....	337	517	854	80	93.7
Hamilton.....	234	286	520	40	76.9
Hancock.....	149	180	329	22	66.8
Harrison.....	211	226	437	20	45.8
Hendricks.....	180	221	401	11	27.4
Henry.....	332	350	682	64	93.8
Howard.....	580	527	1,107	101	91.2
Huntington.....	396	388	784	60	76.5
Jackson.....	295	295	590	37	62.7
Jasper.....	189	178	367	16	43.6
Jay.....	284	266	550	28	50.9
Jefferson.....	199	223	422	28	66.4
Jennings.....	146	145	291	12	41.2
Johnson.....	226	217	443	29	65.5
Knox.....	594	607	1,201	103	85.8
Kosciusko.....	318	303	621	37	59.6
Lagrange.....	80	175	255	16	62.7
Lake.....	2,090	2,657	4,747	434	91.0
Laporte.....	636	613	1,249	81	64.9
Lawrence.....	446	420	866	65	75.1
Madison.....	791	795	1,586	111	69.9
Marion.....	3,899	3,868	7,767	583	74.8
Marshall.....	293	273	566	31	54.8
Martin.....	154	160	314	24	76.4
Miami.....	301	354	655	48	73.3
Monroe.....	361	369	730	42	57.5
Montgomery.....	282	266	548	34	62.1
Morgan.....	231	257	488	31	63.5

TABLE No. 27—Continued

	Males	Females	Total Births	Deaths Under 1 Year	Infant Deaths Per 1,000 Births
Newton.....	107	114	221	13	58.8
Noble.....	240	232	472	26	55.1
Ohio.....	43	37	80	1	12.5
Orange.....	181	199	380	27	68.4
Owen.....	126	148	274	15	54.7
Parke.....	193	176	369	39	105.4
Perry.....	207	227	434	21	48.4
Pike.....	240	236	476	44	92.5
Porter.....	226	231	457	37	80.9
Posey.....	229	229	458	27	58.9
Pulaski.....	143	154	297	25	84.2
Putnam.....	204	217	421	36	85.5
Randolph.....	295	302	597	36	60.3
Ripley.....	165	238	403	21	52.1
Rush.....	218	211	429	30	69.9
Scott.....	74	82	156	8	51.3
Shelby.....	246	284	530	30	58.5
Spencer.....	194	241	435	26	59.8
Starke.....	108	148	256	18	70.3
Steuben.....	125	130	255	12	47.1
St. Joseph.....	1,423	1,466	2,889	202	69.9
Sullivan.....	374	496	870	60	68.9
Switzerland.....	94	101	195	11	56.4
Tippecanoe.....	512	472	984	63	64.0
Tipton.....	165	205	370	24	64.9
Union.....	74	50	124	8	64.5
Vanderburgh.....	961	1,127	2,088	127	60.8
Vermillion.....	305	329	634	63	99.4
Vigo.....	1,129	1,254	2,383	211	88.5
Wabash.....	282	283	565	28	49.6
Warren.....	118	121	239	12	50.2
Warrick.....	214	271	485	40	82.5
Washington.....	171	205	376	23	61.2
Wayne.....	458	503	961	78	81.2
Wells.....	242	242	484	18	37.2
White.....	189	188	377	19	50.4
Whitley.....	175	164	339	16	47.2

TABLE No. 28
BIRTHS BY MONTHS, SEX, COLOR, ETC.—10 YEARS

	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Total births..	68,247	64,809	59,273	64,313	63,073	63,312	61,850	61,889	59,180	57,855
Birth rate.....	23.3	22.1	20.1	22.1	21.8	22.1	21.9	22.1	21.3	20.9
Males.....	33,027	31,086	28,611	32,702	32,770	32,421	31,701	32,018	30,423	29,693
Females.....	35,220	33,723	30,662	31,611	30,303	30,891	30,149	29,871	28,757	28,162
White.....	66,505	63,261	57,903	62,986	61,871	62,343	60,883	60,776	58,238	56,915
Colored.....	1,742	1,548	1,370	1,327	1,202	969	967	1,113	942	940
Stillbirths.....	2,104	1,994	1,825	2,079	2,091	2,141	2,051	2,118	1,668	1,757
Illegitimates...	1,060	1,010	900	909	873	920	881	941	986	871
Plural births...	790	746	650	786	675	625	619	569	594	1,116
BY MONTHS										
January.....	5,447	5,527	4,934	5,355	5,740	5,575	5,246	5,188	4,876	4,930
February.....	5,461	5,655	4,652	5,205	5,272	5,408	4,887	5,002	4,629	4,818
March.....	5,874	5,595	5,299	5,939	5,672	5,699	5,270	5,410	5,295	4,976
April.....	5,660	5,066	4,860	5,673	5,210	5,377	4,827	4,623	4,581	4,385
May.....	6,089	5,490	4,716	5,417	4,651	5,276	2,993	4,819	4,697	4,663
June.....	5,468	5,446	4,462	5,485	4,855	4,945	5,163	4,923	4,536	4,592
July.....	5,686	5,732	4,660	5,641	5,591	5,315	5,431	5,484	4,977	5,093
August.....	5,848	5,874	4,643	5,776	5,706	5,463	5,395	5,471	5,041	5,240
September.....	5,961	5,516	4,962	5,332	5,459	5,303	5,466	5,488	5,103	4,874
October.....	5,612	5,268	5,428	5,236	5,189	4,921	5,332	5,222	5,055	4,807
November.....	5,431	4,657	5,180	4,563	4,784	4,848	4,865	4,862	4,878	4,415
December.....	5,710	4,983	5,477	4,691	4,944	5,182	4,975	4,829	4,912	4,504

TABLE No. 29
DEATHS BY MONTHS, SEX, COLOR, CONJUG L CONDITION AND NATIONALITY—10 YEARS

	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Total deaths (Stillbirths Exc.).....	35,134	39,430	37,077	46,361	39,785	38,249	35,416	35,869	36,710	35,771
Death rate....	12.0	13.4	12.5	15.9	13.7	13.3	12.5	12.8	13.2	13.1
Males.....	17,835	20,073	18,596	24,052	21,562	20,495	19,123	19,217	19,920	19,198
Females.....	17,299	19,357	18,481	22,309	18,223	17,754	16,293	16,652	16,781	16,573
White.....	33,615	37,665	35,482	44,323	37,614	36,831	34,157	34,771	35,549	34,658
Colored.....	1,519	1,765	1,595	2,038	2,171	1,418	1,255	1,098	1,161	1,113
Single.....	10,536	13,376	12,480	16,914	14,097	13,211	12,005	13,041	13,849	13,060
Married.....	24,598	26,054	24,597	29,447	25,688	25,038	23,411	22,828	22,861	22,711
American.....	32,262	35,852	33,819	42,282	35,852	34,709	32,227	33,003	33,807	32,191
Foreign.....	2,872	3,578	3,258	4,079	3,933	3,419	3,102	2,795	2,715	3,258
Unknown.....						121	87	71	188	332
BY MONTHS										
January.....	3,293	3,890	4,233	3,722	3,776	4,161	3,161	3,161	3,323	3,313
February.....	3,017	5,726	3,588	3,367	3,874	3,354	3,378	3,010	3,103	3,111
March.....	3,087	4,160	4,624	3,829	4,085	3,672	3,817	3,670	3,660	3,484
April.....	2,868	3,272	3,277	4,039	3,565	3,305	3,260	3,395	3,112	3,199
May.....	2,934	3,287	2,814	3,296	3,394	2,986	2,736	3,078	3,023	2,695
June.....	2,622	2,709	2,430	2,703	2,824	2,576	2,433	2,650	2,941	2,420
July.....	2,952	2,681	2,762	2,769	3,024	3,149	2,596	2,877	3,056	2,708
August.....	2,817	2,632	2,540	2,945	3,078	3,100	2,602	2,913	3,223	2,985
September.....	2,764	2,625	2,472	2,908	3,030	3,006	2,743	2,785	2,873	2,908
October.....	3,023	2,793	2,605	6,101	3,040	3,006	2,725	2,794	2,893	2,964
November.....	2,841	2,763	2,685	5,066	2,884	2,802	2,750	2,678	2,793	2,785
December.....	2,916	2,990	3,046	5,616	3,211	3,132	3,215	2,858	2,710	3,199

TABLE No. 30
DEATHS BY AGE GROUPS—10 YEARS

Age	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912
Under 1 year.....	4,860	5,296	4,690	5,685	5,327	5,418	4,947	5,452	5,757	5,388
1 to 5 years.....	1,915	2,441	1,995	3,101	2,300	2,065	1,726	2,107	2,338	2,142
5 to 10 years.....	860	763	800	1,176	816	717	683	739	867	758
10 to 20 years.....	1,500	1,750	1,700	2,810	1,650	1,569	1,352	1,401	1,601	1,462
20 to 30 years.....	1,850	2,885	3,045	5,103	2,850	2,624	2,373	2,540	2,694	2,701
30 to 40 years.....	2,253	3,076	3,050	4,800	2,925	2,723	2,477	2,658	2,692	2,562
40 to 50 years.....	2,576	3,101	2,905	3,570	3,100	3,017	2,861	2,768	2,759	2,768
50 to 60 years.....	3,920	3,618	3,725	4,170	4,176	4,055	3,926	3,833	3,833	3,732
60 to 70 years.....	5,250	5,765	5,150	5,677	5,701	5,669	5,230	5,001	4,968	4,974
70 to 80 years.....	6,225	6,546	6,291	6,434	6,525	6,417	6,122	5,724	5,720	5,622
80 years and over.....	3,900	4,147	3,700	3,725	4,401	3,967	3,700	3,619	3,552	3,646
Unknown years.....	25	47	26	110	14	8	19	27	33	26

TABLE No. 31
MORTALITY STATE OF INDIANA—5 YEARS COMPARISON

	1921	1920	1919	1918	1917
Birth rate per 1,000 population.....	23.3	22.1	20.1	22.1	21.8
Death rate per 1,000 population.....	12.0	13.4	12.5	15.9	13.7
Infant mortality rate, per 1,000 living births.....	71.2	81.4	79.1	88.4	84.4
FOLLOWING DISEASE DEATH RATE PER 100,000 OF POPULATION					
Tuberculosis (all forms).....	92.7	107.7	110.8	136.3	137.4
Typhoid fever.....	12.3	9.6	11.5	13.7	17.1
Diphtheria-croup.....	23.9	12.2	10.9	14.7	15.3
Scarlet fever.....	5.2	6.6	2.7	4.0	4.9
Measles.....	2.4	9.8	2.4	4.1	19.0
Whooping cough.....	11.8	8.9	2.2	16.1	8.6
Broncho and lobar pneumonia.....	80.2	141.6	113.5	193.7	128.4
Diarrhoea-enteritis (under 2 years).....	37.9	35.2	34.8	42.6	51.1
Cerebro spinal fever.....	.9	.7	.9	1.5	2.1
Poliomyelitis.....	1.1	.4	.9	1.1	1.1
Influenza.....	10.6	78.1	99.4	216.4	19.5
Puerperal septicemia.....	6.2	7.6	6.3	8.4	7.0
Cancer.....	91.7	88.4	85.4	72.3	87.9
External causes.....	86.4	82.9	77.9	94.0	104.4
Smallpox.....	.7	.6	.4	.8	.5

TABLE No. 32
COLORED MORTALITY FOR STATE OF INDIANA DURING YEARS 1920 AND 1921

	1921 Total 1,742	1920 Total 1,548
TOTAL BIRTHS.....		
Males.....	857	780
Females.....	885	768
TOTAL DEATHS.....	1,519	1,765
Males.....	790	930
Females.....	729	835
Under 1 year.....	210	270
1 to 10 years.....	115	150
65 years and over.....	250	275
Tuberculosis.....	253	300
Typhoid fever.....	15	14
Diphtheria—Croup.....	12	6
Scarlet fever.....	2	.....
Measles.....	.....	4
Whooping cough.....	16	13
Pneumonia.....	170	280
Diarrhoea (Under 2 years).....	41	55
Influenza.....	17	75
Puerperal septicemia.....	6	7
Cancer.....	63	70
External causes.....	125	120
Smallpox.....	3	.....
Syphilis.....	20	11

TABLE No. 33
DEATHS FROM THE PUERPERAL STATE, WITH RATE PER 100,000 POPULATION—FIVE YEAR COMPARISON

MOTHERS	1921		1920		1919		1918		1917	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Accidents of pregnancy....	42	1.4	60	2.4	58	1.9	92	3.1	29	1.0
Puerperal hemorrhage....	33	1.1	40	1.3	37	1.3	38	1.3	32	1.1
Other accidents of labor....	52	1.7	45	1.5	44	1.5	21	.7	27	.9
Puerperal septicemia.....	183	6.2	224	7.6	187	6.3	245	8.4	203	7.0
Puerperal convulsions.....	104	3.5	95	3.2	79	2.7	102	3.5	105	3.6
Puerperal embolus, etc....	19	.6	19	.7	17	.6	17	.6	13	.4
Following childbirth, etc....	3	.1	2	.1	6	.2	10	.4	5	.1

DEATHS FROM CAUSES PECULIAR TO EARLY INFANCY, WITH RATE PER 100,000 POPULATION

INFANTS	1921		1920		1919		1918		1917	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Premature births (Stillbirths, Exc.).....	1,159	39.6	1,210	41.2	1,061	39.5	1,227	42.1	1,257	43.5
Congenital debility.....	283	9.6	339	11.5	255	8.6	228	7.8	210	7.2
Injuries at birth.....	168	5.7	170	5.8	161	5.5	111	3.9	159	5.5
Other causes of early infancy.....	298	10.1	254	8.6	213	7.5	253	8.7	202	6.9
Lack of care.....	9	.3	10	.3	9	.3	5	.2	.....	.....
Hydrocephalus.....	42	1.4	32	1.0	39	1.3	30	1.0	40	1.3
Malformation of the heart.....	308	10.5	329	11.2	288	9.8	229	7.9	352	12.1
Other congenital malformations.....	91	3.0	93	3.1	92	3.1	209	7.2	151	5.2
STILLBIRTHS EXCLUDED FROM ABOVE.....	2,104	.....	1,994	.....	1,825	.....	2,079	.....	2,091	.....
Total living births.....	68,247	23.3	64,809	22.1	59,273	20.1	64,313	22.1	63,073	21.8
Total infant deaths under 1 year of age.....	4,860	.....	5,276	.....	4,690	.....	5,685	.....	5,327	.....
Infant mortality rate per 1,000 births.....	.....	71.2	.....	81.4	.....	79.1	.....	88.4	.....	84.4

INDIANA STATE FIRE MARSHAL

NEWMAN T. MILLER, State Fire Marshal.
G. L. PUGH, First Deputy State Fire Marshal.
JOHN D. CRAMER, Second Deputy State Fire Marshal.
CLARA McCAMPBELL, Secretary.

LEGAL DIVISION

CHESTER A. DAVIS, Attorney.
M. W. WAREING, Assistant.

ARSON DIVISION

G. L. PUGH, Chief Investigator.
H. L. NICHOLSON, Assistant, Crown Point, Indiana.
ELMER VROOMAN, Assistant, Wabash, Indiana.
CHAS. HOOVER, Assistant, Maywood, Indiana.
H. S. WEYMIRE, Assistant, Elwood, Indiana.
NINA E. SCHOPPE, Shorthand Reporter.

INSPECTION DIVISION

JOHN D. CRAMER, Chief Inspector.
CASH M. GRAHAM, Assistant, South Whitley, Indiana.
THOS. McCORMICK, Assistant, Delphi, Indiana.
GEO. H. FELTHAUS, Assistant, Evansville, Indiana.

EDUCATIONAL DIVISION

VIVIAN T. WHEATCRAFT, Assistant, Whiteland, Indiana.

OFFICE

LILLIAN KLINGE, Bookkeeper and Statistician.
ALICE KLINGE, Order Clerk and Stenographer.

For the year of October 1, 1921, to October 1, 1922, 962 orders were issued by the department as the result of inspections, these orders calling for the removal of dilapidated structures, repair of buildings, improvement of garages, motion picture shows, school buildings, dry cleaning plants, etc.

All orders were issued by the department after a careful resume of the work of inspectors, primarily that the menace to human life might be eliminated as far as possible in places of assembly and public gathering.

A reduction over the previous year of \$1,300,000 in fire losses in the state, the largest reduction in any year, ever recorded, speaks volumes for the co-operation afforded the department and the aroused interest of our citizenship in the fire prevention movement.

Special attention was given throughout the year to fire hazards

surrounding and commonly incident to school buildings, some 209 orders being issued thereon, in addition to orders enumerated above with the very gratifying result that only 45 fires occurred in school buildings, and not one death or injury to any child was suffered thereby.

FIRE LOSS STATISTICS

FIRES AND LOSSES BY YEARS SINCE DEPARTMENT WAS ESTABLISHED

	Number of Fires	Loss
1913 (last eight months).....	6,209	\$5,932,110
1914	8,006	7,926,936
1915	7,106	5,734,865
1916	6,018	6,437,957
1917	5,764	6,179,436
1918	4,967	7,055,090
1919	5,348	6,135,526
1920	5,083	8,228,896
1921	4,510	6,672,828
1922 (first eight months).....	3,873	4,244,834

The Statistical Division prepares at the end of each calendar year ten statistical tables, which are compiled from daily fire reports received from the 1,200 fire marshal assistants throughout the state. Following are fire loss statistics for 1921:

INDEX TO STATISTICAL TABLES

- I. For each month—the number of losses and the total loss.
- II. For each cause—the number of fires, valuation and loss, on buildings and on contents.
- III. For each class of property—the number of fires, value, loss and insurance on buildings and on contents.
- IV. For each class of property—the causes, the number of total and partial losses, and the kind of structure.
- V. For each month—the number and loss from fires of unknown origin.
- VI. For each month—the number of incendiary fires and resulting loss.
- VII. For each city of four thousand or more population—the population, number of fires, loss per capita, value, loss and insurance on property directly jeopardized.
- VIII. Lightning statistics. Number of losses and amounts of loss on rodded and unrodded buildings. Number of lightning losses in cities and towns and in country.
- IX. Statistics for districts outside incorporated cities and towns.

TABLE I
TOTAL NUMBER OF FIRES AND LOSSES BY MONTHS

MONTH	Number of Losses	Loss
January	474	\$605,698
February	437	387,709
March	419	649,740
April	354	558,586
May	504	819,828
June	254	340,329
July	467	1,040,537
August	263	366,044
September	222	323,547
October	392	487,516
November	336	476,613
December	388	616,681
Totals	4,510	\$6,672,828

TABLE II
CAUSE STATISTICS

CAUSE	No. of Losses	Value of Buildings	Value of Contents	Loss on Buildings	Loss on Contents
Adjoining	225	\$1,090,355	\$702,560	\$141,745	\$71,116
Alcohol explosion	3	1,200	100	1,105	100
Ashes against wood	33	112,200	90,805	7,898	990
Back fire	32	234,861	464,210	13,131	5,964
Boiling oil	19	842,675	149,210	9,431	6,728
Burning rubbish	93	675,760	219,855	53,815	18,025
Candle	5	20,000	5,600	85	190
Careless smoker	77	1,239,876	452,205	21,629	14,096
Careless with matches	68	469,625	245,045	30,810	25,583
Child with matches	87	132,570	45,050	24,500	9,246
Christmas tree	5	138,000	53,400	289	222
Defective boiler	7	55,000	19,600	2,635	600
Defective flue	345	1,081,550	336,298	298,464	75,949
Defective furnace	58	912,700	261,915	194,480	7,504
Defective grate	16	167,500	30,600	32,191	8,223
Defective heater	28	2,609,000	446,283	12,836	3,442
Defective stove	100	343,865	158,595	30,005	28,904
Defective wiring	179	3,784,600	2,468,540	121,977	119,744
Drapery against fire	17	79,400	24,400	4,426	1,802
Electric iron	22	236,300	151,448	14,839	43,374
Explosion of chemicals	6	82,500	53,600	1,085	417
Film ignited	7	162,500	41,800	45,010	6,500
Fireworks	23	101,200	25,900	4,695	2,000
Fumigating	2	14,800	4,000	1,150	140
Gas explosion	20	780,240	218,200	7,470	3,037
Gas jet	4	19,200	43,000	895	400
Gasoline explosion	59	703,910	177,710	12,385	14,963
Gasoline stove explosion	8	67,700	28,400	2,310	2,365
Gas stove explosion	4	38,500	10,200	206	700
Hot iron	4	11,500	5,100	50	275
Incendary	67	451,975	263,365	174,992	176,597
Incubator lamp	6	9,900	4,225	2,550	1,525
Kerosene explosion	17	166,700	72,250	12,430	4,888
Kerosene lamp	25	48,100	16,120	21,178	6,553
Kerosene stove explosion	98	315,285	83,020	30,894	16,773
Lightning	165	520,410	268,629	232,647	107,851
Overheated smokehouse	30	329,360	55,228	10,944	7,156
Spark from chimney	1,457	5,163,799	2,199,514	440,646	124,896
Spark from locomotive	47	94,550	49,581	29,451	34,396
Spontaneous combustion	105	2,248,803	2,001,105	133,281	552,852
Thawing water pipes	4	13,000	4,700	190	.....
Torch	12	91,150	190,030	3,519	9,277
Tramp	6	24,250	3,050	19,850	3,050
Unknown	912	10,025,697	6,500,822	1,427,956	1,517,678
Vulcanizing	3	4,850	7,300	1,650	3,012
Total	4,510	\$35,716,916	\$18,652,568	\$3,633,725	\$3,039,103

TABLE III
PROPERTY STATISTICS

PROPERTY	Number of Losses	Value of Buildings	Value of Contents	Loss on Buildings	Loss on Contents	Insurance on Buildings	Insurance on Contents
Automobile.....	94	\$139,175	\$10,260	\$20,229	\$1,395	\$64,843	\$5,700
Awning.....	8	85,060	45,000	4,890	55	74,875	26,000
Bakery.....	12	122,000	57,400	10,320	19,142	61,000	46,100
Bank.....	4	135,000	12,500	14,610	5,100	97,500	8,800
Barber shop.....	7	36,200	5,000	3,210	1,089	8,600	2,500
Barn.....	681	743,109	562,520	611,097	378,337	342,903	276,960
Blacksmith shop.....	5	3,975	4,200	1,525	1,280	1,800	500
Boat.....	3	9,500	100	1,000	80	3,000	.....
Box car.....	8	67,150	1,600	46,130	260	6,100	.....
Bridge.....	2	30,000	.....	115	.....	27,500	.....
Church.....	15	212,400	22,400	57,270	6,925	52,700	6,750
City building.....	4	91,000	27,000	545	2,635	36,000	10,000
Club.....	4	60,000	9,100	6,825	3,800	29,400	4,500
Depot.....	7	41,125	22,080	300	75	2,675	450
Dry cleaning establishment.....	10	59,550	16,400	1,570	4,875	33,600	12,500
Dwelling.....	2,767	571,880	2,662,776	1,414,617	395,406	5,778,374	1,285,115
Elevator.....	16	428,000	310,000	181,705	91,599	251,800	110,200
Fence.....	3	7,050	600	55	15	2,000	.....
Garage.....	114	65,985	692,759	138,680	175,224	291,125	259,075
Greenhouse.....	2	9,000	4,000	1,505	500	.....	.....
Hay.....	13	2,010	259	1,902	259	500	36
Hospital.....	2	54,000	17,000	14,025	7,000	27,000	8,000
Hotel.....	35	1,567,000	255,960	21,985	5,270	1,114,000	105,400
Incubator.....	1	500	150	150	100	.....	.....
Junk shop.....	5	8,250	23,605	4,600	4,810	4,000	6,000
Laundry.....	8	95,200	149,000	21,752	58,550	45,100	108,825
Lodge hall.....	5	29,900	6,800	4,625	1,650	19,000	7,000
Lumber pile.....	20	125,035	199,643	22,024	132,644	88,959	174,900
Manufactory.....	1,04	9,538,077	9,884,253	446,276	870,042	2,812,585	3,763,125
Office building.....	33	2,856,300	414,600	48,538	12,556	1,189,850	244,740
Pool room.....	2	3,250	2,200	1,260	400	750	200
Post office.....	1	1,000	.....	20	.....	300	.....
Restaurant.....	16	178,100	33,800	2,937	4,041	83,800	20,950
Schoolhouse.....	45	1,262,600	216,100	135,139	23,841	597,605	85,320
Smokehouse.....	13	13,210	9,690	2,610	2,730	6,100	2,160
Storage.....	50	483,575	422,458	65,534	136,079	286,320	268,976
Store.....	312	6,203,350	2,455,905	258,055	677,849	3,753,202	1,718,530
Theatre.....	16	668,500	95,450	65,950	13,490	215,000	197,500
Traction car.....	3	9,900	.....	145	.....	6,600	.....
Total.....	4,510	\$35,716,916	\$18,652,568	\$3,633,725	\$3,039,103	\$17,416,466	\$8,766,812

TABLE IV
PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Automobile.....		90	4			
Defective wiring.....	36					
Unknown.....	17					
Gasoline explosion.....	15					
Back fire.....	14					
Careless smoker.....	4					
Incendiary.....	2					
Kerosene stove explosion.....	2					
Alcohol explosion.....	1					
Burning.....	1					
Thawing water pipes.....	1					
Tramps.....	1					
Awning.....		6	2			
Careless smoker.....	5					
Fireworks.....	2					
Unknown.....	1					
Bakery.....		12		5	7	
Defective stove.....	3					
Spark from chimney.....	3					
Unknown.....	3					
Defective flue.....	2					
Careless with matches.....	1					
Bank.....		4			4	
Burning rubbish.....	1					
Defective furnace.....	1					
Defective stove.....	1					
Unknown.....	1					
Barber shop.....		6	1	1	3	
Careless smoker.....	3					
Defective heater.....	1					
Kerosene stove explosion.....	1					
Spark from chimney.....	1					
Unknown.....	1					
Barn.....		334	347	666	11	1
Unknown.....	286			Wood &	brick 3	
Lightning.....	105					
Adjoining.....	66					
Child with matches.....	41					
Burning rubbish.....	25					
Spontaneous combustion.....	25					
Spark from chimney.....	22					
Incendiary.....	18					
Ashes against wood.....	15					
Spark from locomotive.....	13					
Careless smoker.....	11					
Careless with matches.....	9					
Defective stove.....	7					
Kerosene lamp.....	6					
Defective flue.....	5					
Defective wiring.....	4					
Gasoline explosion.....	4					
Overheated smokehouse.....	3					
Back fire.....	2					
Incubator lamp.....	2					
Kerosene explosion.....	2					
Kerosene stove explosion.....	2					
Boiling oil.....	1					
Defective boiler.....	1					
Defective furnace.....	1					
Defective heater.....	1					
Fireworks.....	1					
Gas explosion.....	1					
Tramps.....	1					
Torch.....	1					
Blacksmith shop.....		5		5		
Unknown.....	3					
Burning rubbish.....	1					
Spark from chimney.....	1					

TABLE IV—Continued
PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Boat.....		3		2		
Ashes against wood.....	1			Wood & steel	1	
Back fire.....	1					
Defective flue.....	1					
Box car.....		6	2	8		
Tramps.....	2					
Unknown.....	2					
Defective wiring.....	1					
Kerosene lamp.....	1					
Spark from locomotive.....	1					
Spontaneous combustion.....	1					
Bridge.....		2		Wood & brick	2	
Spark from locomotive.....	2					
Church.....		14	1	7	8	
Spark from chimney.....	6					
Defective flue.....	2					
Burning rubbish.....	1					
Defective furnace.....	1					
Defective stove.....	1					
Kerosene stove explosion.....	1					
Lightning.....	1					
Spontaneous combustion.....	1					
Unknown.....	1					
City building.....		4				4
Burning rubbish.....	2					
Careless with matches.....	1					
Gasoline explosion.....	1					
Club.....		3	1	1	3	
Defective flue.....	1					
Explosion of chemicals.....	1					
Gasoline explosion.....	1					
Spark from chimney.....	1					
Depot.....		7		5	2	
Defective stove.....	1					
Incendiary.....	1					
Kerosene stove explosion.....	1					
Lightning.....	1					
Spark from chimney.....	1					
Spark from locomotive.....	1					
Unknown.....	1					
Dry cleaning establishment.....		10		3	7	
Gasoline explosion.....	3					
Back fire.....	1					
Electric iron.....	1					
Defective boiler.....	1					
Defective stove.....	1					
Defective wiring.....	1					
Spark from chimney.....	1					
Unknown.....	1					
Dwelling.....		2,579	188	2,658	101	1
Spark from chimney.....	1,347			Wood &	Brick 7	
Unknown.....	314					
Defective flue.....	304					
Adjoining.....	118					
Kerosene stove explosion.....	81					
Defective stove.....	67					
Defective wiring.....	66					
Defective furnace.....	42					
Lightning.....	40					
Careless with matches.....	37					
Burning rubbish.....	36					
Child with matches.....	33					
Spontaneous combustion.....	30					
Careless smoker.....	25					
Incendiary.....	24					

TABLE IV—Continued
PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Defective heater.....	18					
Fireworks.....	18					
Kerosene lamp.....	18					
Spark from locomotive.....	17					
Drapery against fire.....	14					
Defective grate.....	13					
Gasoline explosion.....	13					
Electric iron.....	12					
Ashes against wood.....	10					
Kerosene explosion.....	10					
Gasoline stove explosion.....	7					
Gas explosion.....	6					
Overheated smokehouse.....	6					
Torch.....	6					
Boiling oil.....	5					
Candle.....	4					
Christmas tree.....	4					
Incubator lamp.....	4					
Gas jet.....	3					
Hot iron.....	3					
Alcohol explosion.....	2					
Explosion of chemicals.....	2					
Fumigating.....	2					
Tramps.....	2					
Back fire.....	1					
Film ignited.....	1					
Gas stove explosion.....	1					
Thawing water pipes.....	1					
Elevator.....		11	5	15	Wood & brick 1	
Spontaneous combustion.....	5					
Unknown.....	5					
Adjoining.....	1					
Careless with matches.....	1					
Defective boiler.....	1					
Defective wiring.....	1					
Incendiary.....	1					
Spark from chimney.....	1					
Fence.....		3		3		
Burning rubbish.....	2					
Unknown.....	1					
Garage.....		93	21	79	35	
Unknown.....	50					
Defective wiring.....	16					
Adjoining.....	9					
Gasoline explosion.....	9					
Burning rubbish.....	5					
Careless with matches.....	5					
Spontaneous combustion.....	5					
Spark from chimney.....	3					
Ashes against wood.....	2					
Vulcanizing.....	2					
Back fire.....	1					
Careless smoker.....	1					
Child with matches.....	1					
Defective stove.....	1					
Gas explosion.....	1					
Gasoline stove explosion.....	1					
Kerosene stove explosion.....	1					
Torch.....	1					
Greenhouse.....		2		1		
Defective boiler.....	1		Wood & glass 1			
Defective stove.....	1					

IV—Continued

PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Hay		6	7			
Unknown.....	4					
Child with matches.....	3					
Lightning.....	2					
Sparks from locomotive.....	2					
Burning rubbish.....	1					
Careless with matches.....	1					
Hospital		1	1	2		
Back fire.....	1					
Defective wiring.....	1					
Hotel		34	1	18	16	
Sparks from chimney.....	12			Wood & brick	1	
Unknown.....	5					
Careless smoker.....	3					
Defective flue.....	2					
Defective wiring.....	2					
Spontaneous combustion.....	2					
Ashes against wood.....	1					
Boiling oil.....	1					
Careless with matches.....	1					
Defective furnace.....	1					
Defective stove.....	1					
Gas explosion.....	1					
Gasoline explosion.....	1					
Incendiary.....	1					
Kerosene stove explosion.....	1					
Incubator		1		1		
Defective flue.....	1					
Junk shop		4	1	4	1	
Unknown.....	3					
Child with matches.....	1					
Spontaneous combustion.....	1					
Laundry		8		1	7	
Unknown.....	4					
Ashes against wood.....	1					
Explosion of chemicals.....	1					
Gasoline explosion.....	1					
Hot iron.....	1					
Lodge hall		4	1	3	2	
Adjoining.....	2					
Sparks from chimney.....	2					
Incendiary.....	1					
Lumber pile		19	1	20		
Unknown.....	8					
Spark from locomotive.....	4					
Burning rubbish.....	2					
Spark from chimney.....	2					
Careless smoker.....	1					
Child with matches.....	1					
Defective wiring.....	1					
Gasoline explosion.....	1					
Manufactory		137	27	56	82	
Unknown.....	40			Wood & brick	26	
Spark from chimney.....	17					
Defective wiring.....	16					
Spontaneous combustion.....	16					
Back fire.....	7					
Spark from locomotive.....	7					
Defective furnace.....	6					
Defective flue.....	5					
Gas explosion.....	5					
Boiling oil.....	4					
Defective stove.....	4					
Gasoline explosion.....	4					
Incendiary.....	4					

TABLE IV—Continued
PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Careless smoker.....	3					
Defective heater.....	3					
Kerosene explosion.....	3					
Lightning.....	3					
Overheated smokehouse.....	3					
Adjoining.....	2					
Burning rubbish.....	2					
Defective boiler.....	2					
Electric iron.....	2					
Torch.....	2					
Careless with matches.....	1					
Explosion of chemicals.....	1					
Gas jet.....	1					
Gas stove explosion.....	1					
Office building.....		31	2	14	19	
Unknown.....	9					
Careless with matches.....	4					
Defective wiring.....	3					
Adjoining.....	2					
Careless smoker.....	2					
Defective flue.....	2					
Spark from chimney.....	2					
Ashes against wood.....	1					
Boiling oil.....	1					
Burning rubbish.....	1					
Defective furnace.....	1					
Defective heater.....	1					
Defective stove.....	1					
Gasoline explosion.....	1					
Kerosene explosion.....	1					
Thawing water pipes.....	1					
Poolroom.....		1	1	2		
Defective wiring.....	1					
Unknown.....	1					
Post Office.....		1		1		
Torch.....	1					
Restaurant.....		15	1	6	9	
Defective stove.....	4		•••	Wood &	brick 1	
Adjoining.....	2		•••			
Boiling oil.....	2					
Unknown.....	2					
Careless smoker.....	1					
Defective flue.....	1					
Defective heater.....	1					
Electric iron.....	1					
Gasoline explosion.....	1					
Spark from chimney.....	1					
School house.....		31	14	11	34	
Unknown.....	15					
Spark from chimney.....	9					
Defective flue.....	6					
Incendiary.....	4					
Spontaneous combustion.....	3					
Adjoining.....	2					
Defective stove.....	2					
Child with matches.....	1					
Defective furnace.....	1					
Defective wiring.....	1					
Electric iron.....	1					
Smokehouse.....		7	6	10	3	
Overheated smokehouse.....	10					
Burning rubbish.....	2					
Back fire.....	1					

TABLE IV—Continued
PROPERTY AND CAUSE STATISTICS

PROPERTY	Number from each cause	Partial Loss	Total Loss	Wood	Brick	Stone
Storage		36	14	37	13	
Unknown	25					
Burning rubbish	4					
Defective wiring	3					
Sparks from chimney	3					
Spontaneous combustion	3					
Adjoining	2					
Child with matches	2					
Lightning	2					
Back fire	1					
Defective flue	1					
Fireworks	1					
Incendiary	1					
Overheated smokehouse	1					
Sparks from locomotive	1					
Store		261	51	165	144	
Unknown	104			Wood &	brick 3	
Spark from chimney	24					
Defective wiring	21					
Adjoining	19					
Careless smoker	18					
Spontaneous combustion	13					
Defective flue	12					
Incendiary	10					
Careless with matches	9					
Burning rubbish	7					
Kerosene stove explosion	7					
Overheated smokestack	7					
Defective stove	6					
Gas explosion	6					
Boiling oil	5					
Electric iron	5					
Lightning	5					
Defective furnace	3					
Defective grate	3					
Defective heater	3					
Gasoline explosion	3					
Ashes against wood	2					
Back fire	2					
Child with matches	2					
Drapery against fire	2					
Gas stove explosion	2					
Candle	1					
Christmas tree	1					
Defective boiler	1					
Explosion of chemicals	1					
Fireworks	1					
Gasoline stove explosion	1					
Kerosene explosion	1					
Kerosene lamp	1					
Spark from locomotive	1					
Thawing water pipes	1					
Torch	1					
Vulcanizing	1					
Theatre		16			15	
Film ignited	6			Wood &	brick 1	
Defective wiring	4					
Unknown	4					
Drapery against fire	1					
Spark from chimney	1					
Traction car		3		3		
Defective wiring	1					
Lightning	1					
Unknown	1					
Total	4,510	3,810	700	3,816	530	2

Wood and brick, 45
Wood and steel, 1
Wood and glass, 1

TABLE V
FIRES OF UNKNOWN CAUSES

MONTH	Number of Losses	Loss
January.....	59	\$238,767 00
February.....	56	121,163 00
March.....	67	284,984 00
April.....	72	286,493 00
May.....	93	392,306 00
June.....	54	102,600 00
July.....	129	364,560 00
August.....	81	158,783 00
September.....	61	159,717 00
October.....	98	255,474 00
November.....	68	278,672 00
December.....	74	302,115 00
Total.....	912	\$2,945,634 00

TABLE VI
INCENDIARY FIRES

MONTH	Number of Losses	Loss
January.....	5	\$167,300 00
February.....	2	273 00
March.....	6	15,445 00
April.....	6	6,639 00
May.....	5	10,740 00
June.....	5	67,450 00
July.....	6	12,524 00
August.....	10	16,605 00
September.....	6	20,200 00
October.....	9	15,093 00
November.....	6	18,800 00
December.....	1	500 00
Total.....	67	\$351,589 00

TABLE VII

STATISTICS FOR CITIES OF 4,000 OR MORE POPULATION

City	Population	Number of Fires	Loss Per Capita	Total Value of Property	Total Damage to Property	Total Insurance on Property
Alexandria.....	4,172	28	\$0 87	\$129,725	\$3,658	\$97,469
Anderson.....	29,767	174	26	1,102,883	8,017	743,690
Bedford.....	9,079	47	5 23	572,603	47,492	207,462
Bloomington.....	11,595	39	5 80	493,225	67,315	177,900
Bluffton.....	5,391	35	1 16	70,000	6,205	17,250
Brazil.....	9,293	61	5 24	166,350	48,716	28,237
Clinton.....	10,962					
Columbus.....	8,990	64	26	198,315	2,401	53,615
Connorsville.....	9,901	71	68	1,456,870	6,763	901,411
Crawfordsville.....	10,139	121	2 46	240,498	25,000	191,800
Decatur.....	4,762	34	41	123,125	1,988	67,575
East Chicago.....	35,967	204	2 87	969,520	103,420	699,900
Elkhart.....	24,277	41	1 37	1,068,802	33,340	563,359
Elwood.....	10,790	52	33	322,450	3,597	205,725
Evansville.....	85,264	567	1 64	3,189,365	140,398	1,554,230
Fort Wayne.....	86,549	743	1 23	5,945,000	106,970	4,844,500
Frankfort.....	11,585	71	17 58	396,234	203,738	126,025
Franklin.....	4,909	38	3 46	27,725	17,000	71,802
Garrett.....	4,796	9	73	16,400	3,545	8,000
Gary.....	55,378	478	1 41	5,996,782	78,229	3,898,440
Goshen.....	9,525					
Greenfield.....	4,168	27	1 47	47,050	6,145	29,950
Greensburg.....	5,345	14	1 79	98,680	9,569	40,800
Hammond.....	36,004	273	95	499,205	34,390	279,600
Hartford City.....	6,183	27	43	125,000	2,686	78,400
Huntington.....	14,000	54	1 46	99,850	20,469	65,410
Indianapolis.....	314,194	3,148	4 03	12,110,783	1,267,550	16,975,441
Jacksonville.....	4,461	13	1 54	41,865	6,880	17,800
Jeffersonville.....	10,098	31	1 03	96,880	10,435	57,385
Kendallville.....	5,100					
Kokomo.....	30,067	203	28	4,412,850	8,539	2,412,850
Lafayette.....	22,486	209	1 52	1,406,175	34,306	569,100
Laporte.....	15,158	114	99	136,195	15,127	63,400
Lebanon.....	6,257	20	56	109,838	3,552	66,200
Linton.....	5,845	48	1 59	98,725	9,310	42,200
Logansport.....	21,626					
Madison.....	6,711	15	46	27,074	3,145	10,100
Marion.....	23,747	286	71	2,500,000	17,000	1,650,070
Martinsville.....	4,895	48	17	154,900	857	47,830
Michigan City.....	19,457	201	4 34	1,474,350	84,609	535,300
Mishawaka.....	15,195	131	1 02	138,950	15,536	64,450
Mt. Vernon.....	5,284	28	1 54	12,177	8,171	63,375
Muncie.....	36,524	216	2 36	2,605,370	86,378	664,200
New Albany.....	22,992	157	1 69	850,000	38,905	640,000
New Castle.....	14,458	92	1 84	404,152	26,681	223,100
Noblesville.....	4,758	35	47	106,400	2,239	75,611
Peru.....	12,410	150	67	558,465	8,367	322,325
Plymouth.....	4,338	29	74	110,900	3,229	96,233
Portland.....	5,958	15	43	52,300	2,596	21,900
Princeton.....	7,132	40	1 35	196,505	9,677	86,498
Richmond.....	26,765	207	90	580,555	24,239	201,420
Rushville.....	5,498	29	14 48	605,030	79,649	38,995
Seymour.....	7,348	26	99	72,895	7,284	40,800
Shelbyville.....	9,701	62	40	624,650	3,884	356,000
South Bend.....	70,983	651	2 86	13,353,753	203,209	2,049,215
Sullivan.....	4,489					
Tell City.....	4,086	14	16 64	141,265	67,996	104,175
Terre Haute.....	66,083	521	2 16	3,098,029	143,016	1,900,327
Tipton.....	4,507	30	53	105,300	2,430	49,800
Valparaiso.....	6,518	22	1 00	170,600	6,543	66,875
Vincennes.....	17,210	131	8 28	1,019,200	142,611	533,200
Wabash.....	9,872	108	4 87	468,660	48,169	226,860
Warsaw.....	5,478	35	2 39	936,200	13,122	613,500
Washington.....	8,743	38	62	177,865	5,493	125,205
Whiting.....	10,145	22	4 44	135,200	45,107	53,900
Winchester.....	4,021	20	1 16	43,300	4,690	35,900

*1920 Population Estimates—U. S. Census Bureau.

TABLE VIII
LIGHTNING STATISTICS

MONTH	Number of Lightning Losses	Loss
January.....		
February.....		
March.....	13	\$17,649
April.....	6	49,525
May.....	16	22,673
June.....	22	33,426
July.....	36	74,571
August.....	26	64,881
September.....	30	54,345
October.....	7	9,928
November.....	7	13,125
December.....	2	375
Total.....	165	\$340,498

Total number of lightning losses.....	165
Number of buildings not rodde.....	154
Number of buildings rodde.....	11
Barns struck by lightning.....	106
Barns in country struck by lightning.....	98—92%
Barns struck in country that had total loss.....	83—85%
Loss to rodde buildings.....	\$13,580
Loss to buildings not rodde.....	326,918
Lightning losses in country.....	121
Lightning loss in country.....	\$255,543

TABLE IX
STATISTICS FOR DISTRICTS OUTSIDE INCORPORATED CITIES AND TOWNS

CAUSE	Number of Fires	Loss
Adjoining.....	22	\$29,482
Alcohol explosion.....	1	700
Back fire.....	2	550
Burning rubbish.....	8	19,991
Careless smoker.....	3	5,225
Careless with matches.....	5	9,995
Child with matches.....	8	14,715
Defective flue.....	106	220,373
Defective furnace.....	1	6,300
Defective grate.....	1	38,000
Defective heater.....	2	3,500
Defective stove.....	10	10,688
Defective wiring.....	5	33,571
Explosion of chemicals.....	1	47
Gas explosion.....	2	2,450
Gasoline explosion.....	3	4,250
Hot iron.....	1	60
Incendiary.....	28	104,474
Incubator lamp.....	1	3,000
Kerosene explosion.....	3	4,753
Kerosene lamp.....	11	26,020
Kerosene stove explosion.....	13	10,681
Lightning.....	121	255,543
Overheated smokehouse.....	8	8,426
Spark from chimney.....	101	166,967
Spark from locomotive.....	14	52,431
Spontaneous combustion.....	13	378,436
Tramps.....	3	16,400
Unknown.....	271	888,374
Vulcanizing.....	1	1,850
Total.....	769	\$2,317,252

Number of total losses.....	448
Number of partial losses.....	321

FINANCIAL REPORT

For Period from October 1, 1921, to October 1, 1922

Total amount of warrants	\$54,999 91
Salaries—Fire Marshal, deputies and clerks	\$28,345 40
Transportation	3,827 28
Hotel expense and meals	3,789 75
Automobile and livery hire	1,189 08
Telegraph and telephone	881 74
Postage	390 78
Freight or express	7 46
Office supplies, stationery and printing.....	2,571 20
Witness fees	129 67
Expense of witnesses	940 11
Assistants' fees	1,463 34
Extradition expense	77 04
Obtaining evidence	1,021 46
Special services	10,365 60
	<hr/>
	\$54,999 91

Received from the Governor's Fund for September salaries \$1,228 32

ARSON INVESTIGATION DIVISION

Following is a report, in tabulated form, showing results obtained by the Arson Division for the fiscal year ending September 30, 1922:

Fires investigated	274
Incendiary	41
Confessions	19
Cases filed	33
Convicted	22
Acquitted	2
Dismissals	4
Jury disagreements	0
Pending in court for trial	33
Unknown (suspicious)	116
Unknown (careless or accidental)	117

The work of this division has increased over that of any previous year. This increase may be accounted for in two ways, first by the fact that there have been more fires of a suspicious or incendiary origin, and second by the fact that more guilty persons, habitually committing the crime of arson, have been apprehended.

REPORT OF THE PUBLIC LIBRARY COMMISSION OF INDIANA

THE COMMISSION

MRS. ELIZABETH CLAYPOOL EARL, Muncie, President—Term Expires 1924.
C. H. OLDFATHER, Crawfordsville, Vice-President—Term Expires 1922.
THOMAS C. HOWE, Indianapolis—Term Expires 1923.

THE EXECUTIVE STAFF

WILLIAM J. HAMILTON, Secretary and State Organizer (Resigned October, 1922).
DELLA FRANCES NORTHEY, Supervisor, School and Institution Libraries, and Acting Secretary.
HARRIET R. ROOT, Assistant State Organizer (Resigned September 1, 1922).
WINNIFRED WENNERSTRUM, Assistant State Organizer.
MAYME C. SNIPES, Assistant State Organizer (Resigned September 1, 1922).
JEAN M. SEXTON, Assistant State Organizer.
NELLIE K. FREE, in Charge of Traveling Libraries.
ELIZABETH B. NOEL, Stenographer and Assistant.
RUTH F. STEVENS, Assistant (Resigned September 1, 1922).
MABEL R. McCOLGIN, Assistant.
CARL ZIMMERMAN, Shipping Clerk.

THE PUBLIC LIBRARY COMMISSION

The General Assembly of Indiana at its 1899 session, established the Public Library Commission as a department of the state government which should aid and supervise the public libraries of the state. The aim of the commission is the development of local public libraries and the progress of the public library as an institution throughout Indiana.

The work of the Public Library Commission is threefold. It encourages and aids the establishment of new public libraries in communities where they are needed and where they can be supported. Secondly, it assists in the development and growth of library service already established, aiming to reach the residents of rural districts near existing libraries by means of township or county extension of library privileges. The third phase of the commission's work is its Traveling Library Department. While the commission is not a library, has not facilities for reference work, and loans no books to individuals, such service being rendered by the Indiana State Library, the Traveling Library Department of the commission does send out libraries of fifty or one hundred volumes to groups of citizens, schools, churches, and clubs located in communities which have no public library facilities.

WORK WITH PUBLIC LIBRARIES

A large share of the work of the commission in earlier years was the establishment of new libraries under the Mummert Public Library Act of 1901. There were but fifty-seven public libraries in the state in 1899, where today we have 230, yet the calls for commission assistance are as numerous as before. This is due to the fact that our assistance is needed so much more in libraries in smaller communities, and calls are more frequent, as such libraries become more numerous. A heavy correspondence is carried on with librarians, library trustees and others interested. This supplements the personal visits of the staff and gives to those in need counsel based on experience and research in matters of library administration and policy.

FIELD WORK

ESTABLISHMENT OF NEW LIBRARIES

Members of the Public Library Commission staff visit towns wherever there is need of a library. They confer with citizens and organizations which are interested in the need, explain the steps to be taken to establish a library and finally advise as to a campaign. Often conference with representative citizens in towns where no interest is evident, will result in the awakening of interest. Three new tax-supported libraries and seven community libraries without tax support, were established during the year.

As soon as a library board has been legally appointed, a representative of the commission plans to meet with and help the new board to organize, to adopt working by-laws, and to plan for the actual service from the library. The initial conference is followed by other meetings and correspondence which keeps the commission in touch with later developments in the local situation.

ORGANIZATION VISITS

The services of a commission organizer are given in libraries starting service to arrange the books and start the necessary records, to install a loan system and instruct the new librarian. Collections vary in size from 500 volumes to 5,000, and the organizer, with the librarian and other volunteers, helps accession, classifies and labels the volumes, making a card shelf-list in which each book is represented by a card filed so that all books on a subject stand together. The organizer does not make a dictionary catalog for the library; this may be left until the librarian has had summer school training in library work or the library board may hire a temporary cataloger. All the expenses of such visits to public libraries are met by the commission.

ADVISORY VISITS

The most important work done by the commission, and the richest in results, is that accomplished by visits of the members of the staff to the public libraries in all parts of the state. The aid of these "traveling

libraries" is especially needed in the towns where the library income is too small to allow the hiring of a trained librarian.

The librarians are helped by discussing new methods and possibilities with an organizer of wide experience. The organizer can advise on many points and give suggestions which will make the librarian's time and energy more productive of results for the community. These visitors passing from one library to another suggest methods which have been successful elsewhere and prevent experiments which have already been proven unwise.

The library boards too are glad of an opportunity to consult an experienced visitor as to means of bettering service and equipment. This is more than ever true under the present stress of finances. Even in the larger cities we find boards who wish information on problems which other libraries may already have solved. Policies are discussed, the problems of library extension to rural districts, salaries and staff questions, questions of law and building equipment, budget problems as to how best to apportion funds so as to meet the needs of that particular community.

HIGH SCHOOLS

There are in Indiana about 600 high schools in communities which do not have public library privileges. The students in these schools are just as much in need of books and reading as those in other communities. The State Department of Public Instruction requires a "working library" for each high school to which it grants a certificate. Accordingly, each school has a "library"—sometimes forty or fifty volumes in deplorable physical condition and sometimes two or three thousand volumes forming a fairly adequate collection.

The Public Library Commission feels a responsibility for aiding all library movements within the state and is glad to help the school libraries in placing their collections in shape. The employment as a member of the staff of a supervisor of school libraries is making possible unusual co-operation between public libraries and school service as well as between the two departments of the state government most interested.

LIBRARY INSTRUCTION

Each summer the commission conducts a six weeks' course in library technique for librarians and their assistants. Only persons holding positions or under appointment in Indiana libraries are accepted as students. This course is not conducted as a library school, but simply gives the rudiments of library practice to untrained assistants.

The commission also supervises each spring about fifteen district conferences of the Indiana Library Association. At these the librarians and trustees of a given section of the state meet to discuss their mutual problems and to talk over new methods. Some representative of the commission is present at each meeting.

PUBLICATIONS

The commission issues quarterly *The Library Occurrent*. This contains articles and lists intended to be of special help to the librarians of

the state. The commission also distributed free last year, The Booklist of the American Library Association to sixty-three small libraries in the state having an income of less than \$1,500 per year. The Booklist contains titles and notes of the worthwhile new books appearing each month.

FREE TRAVELING LIBRARIES

Any school, club, grange, or other organization of five or more members not having access to a public library may borrow the traveling library books.

Any five or more persons not already organized and not having access to a public library may organize a Traveling Library Association for this purpose.

If a public library is small and unable to furnish the books needed, the librarian may borrow books from the traveling library to supplement the public library collection, provided an adequate tax levy is made in the town, and provided the library co-operate with the commission by filing the annual report required by law.

Collections of a general character are lent for three months and may be once renewed.

Collections to be used for study in club work may be had for the club year.

The number of books lent to any one association depends upon the number of borrowers in the association, and the number of books available when the request is made. If the circulation of the books in any association justifies a larger collection more books will be sent later if desired.

For special study the number of books needed to cover the work will be sent if possible.

Books that go by freight are sent collect and must be returned prepaid. A fee of 50 cents on the first box and 30 cents on each additional box in the same shipment must be paid in advance to the Public Library Commission for expense of drayage to and from the station at Indianapolis.

Books that are sent by express are sent collect and must be returned paid.

SUMMARY OF THE PUBLIC LIBRARY COMMISSION WORK

October 1, 1921, to September 30, 1922.

Four hundred twenty-five visits made by Public Library Commission staff.

Two hundred seven public libraries of Indiana visited.

One hundred twenty-one school and institution library visits made.

Twenty-three libraries received organization help.

Eleven new towns obtaining library service.

Four new townships served under township support for libraries, act of 1911.

One new county (Bartholomew) served under county library act of 1917.

Fourteen district meetings of the Indiana Library Association planned for and attended by the commission staff.

Forty students instructed in summer school for librarians.

Thirty-three thousand one hundred twenty-six volumes circulated by Traveling Library Department (a gain of two hundred eighty-nine).

Two hundred thirteen associations served by Traveling Library Department.

Sixty-nine new stations served by Traveling Library Department.

LOCAL LIBRARY SUCCESS DEPENDS ON FUNDS

General library problems in Indiana have been almost non-existent during the past year. Most of those which exist can be solved by library boards with real vision of their needs and responsibilities. If a library is worth having, it is worth paying for. No other public service is being maintained at such a low rate. As long as librarians and library trustees acquiesce in crippling service to the public in order to save pennies, just so long will the taxpayer regard the institution without respect.

The library board which sets its rate where it must be in order to hire efficient trained service, will have little trouble with the taxpayer, for the bettered service will plead its own cause. Last year only five library tax rates were protested by taxpayers, this year only three, yet of the remaining 207 tax-supported libraries, how few are serving their communities as they should, and how few have asked for the rate they need to give first class service. Indiana is the only state in the Union where library boards with a knowledge of local conditions may fix their tax rate, and there is no excuse for second and third class libraries, and no explanation except lethargy on the part of librarians and library trustees.

NEEDED LEGISLATION

To a less degree, this is true of the libraries in our smaller communities where a large part of the institution's support must be obtained by a levy made by the township advisory board. It would be well if legislation could be obtained which would place in the hands of a library board representing town and township the right to fix the township library tax as they already have the right to fix town and county library rates.

Another bit of library legislation needed is a slight change in the county law which would plainly specify as a taxing district the portions of a county served by a public library under the county act of 1917. This would protect libraries which do not serve the entire county like Rochester, Fowler and Logansport from anti-library campaigns in individual townships like that from which Noblesville suffered a year ago.

The third change in the present statutes which would be advantageous is that which would make it possible for the governing board of a public library maintained under some other law to turn over that library to a library board organized under the law of 1901 without waiting for approval or action of the city council. The school board of one of our Indiana towns desired to thus relinquish control of the local public library this past year, but the city council refused to permit it on the

ground that though the maximum library tax is exactly the same in either case, the reorganization would increase the civil city's burdens and decrease the school city's, as if the same taxpayers were not supporting both communities, and the change meant anything but better service.

THE COMMISSION'S WORK

The increased appropriation of the 1921 legislature has made the work very much simpler and more effective. For the first time in years the Traveling Library Department has not run out of fiction and juveniles in mid-winter, while new steel stacks have materially relieved the summer congestion of returned books. With the increased staff, the organizers were able to pay a large number of additional visits to school and public libraries. In certain instances the salaries are still not high enough to obtain the strongest service, but conditions are better than formerly.

WORK WITH SCHOOLS

The Public Library Commission has been able to give to the libraries of the schools of the state more help and attention than has ever been done before. The employment of a mature experienced woman to supervise the school work has proved the most profitable investment the commission could have made. Both the schools and the public libraries are stronger, while the co-operation between the Public Library Commission and the Department of Public Instruction are very much more intimate than ever before.

In all, one hundred school libraries have been visited and in addition eighteen more have been organized or reorganized. It is unfortunately true that school libraries once organized do not stay in condition, but the lapse of two or three years with the incidental changes in the teaching staff usually results in the disintegration of any system of library records. For this reason, it has been thought wise instead of putting efforts into organizing individual libraries, to work on the county unit basis this coming year. Surveys of all the high school libraries in a given county, the acquaintance with the entire teaching group and the county supervisors, will form a much more effective method of reaching the state than continued and reiterated efforts with the individual schools.

Such a system of work will be extremely advantageous to the development of county library systems, and Miss Northey's familiarity and sympathy with county libraries makes her a splendid field worker. During the past year five counties were thus surveyed—Fulton, Benton, Randolph, Jefferson and Switzerland. The school results in Fulton and Benton Counties and the aid given the county libraries in Rochester and Fowler were particularly noteworthy. In Randolph County the work was carried on in connection with the general school survey of the state, and the investigation showed a remarkable appreciation of county library possibilities on the part of the rural districts and a keen regret that the Winchester library has been as yet unwilling to expand its field.

The school libraries organized during the year are those at Auburn, Bremen, Chrisney, Dupont, Eaton, Fowler, Fulton, Gilboa, Grass Creek,

Kewanna, Lawrenceburg, Manilla, Moores Hill, New Lisbon, Raub, Ryker's Ridge, Straughn and Wadena. For the coming year fifteen county superintendents have already asked that their schools be covered and the commission will attempt to do these as well as to give help by correspondence to individual schools applying.

An interesting feature of Miss Northey's work has been the week's course in instruction in the use of books and libraries given to the senior teachers in the summer normal schools at Danville and Winona Lake. A similar course was offered to all present at the Randolph County Teachers Institute in August.

The co-operation of the commission has been sought in recommendations for required and approved reading lists to be passed on by the State Board of Education. The commission also aided the committee of librarians who made recommendations to the Young People's Reading Circle Board in the hope that a stronger group of titles might be chosen by the board, and that no mediocre books might be selected. The board's final selection showed that the librarians' recommendations have been given weight. Fifteen of the twenty-three titles appeared on the list of preliminary recommendations.

During the past year the stronger staff of the Public Library Commission has been able to make 425 library visits in the state as against 282 the year before. One hundred eighteen of these were to school libraries, 294 to public libraries in 207 cities. Of the twenty-three libraries unvisited, only eight lie south of the National Road, while seven of these were visited the first week of the new fiscal year, only Borden and Moscow remaining. Undoubtedly our record would have been nearly a perfect one if it had not been for the resignations of Miss Snipes and Miss Root, September 1st, and the impossibility of getting their successors at once.

Twenty-seven of the public library visits were conferences with library boards to discuss and advise as to local problems and service. Five were campaign visits for library establishment or extension, while twenty-three were for the purpose of organizing or reorganizing library book collections. Miss Harriet Root and Miss Della Frances Northey were both on the program of the American Library Association Conference at Detroit in June.

LIBRARY ORGANIZATION

In addition to the eighteen school libraries organized, the commission organized six new public library collections. These organization visits varied from three days to a week, depending on the size of the collection, the ability of the librarian and the help obtainable for the mechanical work of pocketing and accessioning the books. The training of the new librarian is always a vital part of such an organization visit. The libraries thus assisted were Linden and North Judson in new Carnegie buildings, Edinburg and Huntingburg tax supported libraries in rented quarters, and Farmland and Spiceland, little community libraries supported by volunteer gifts.

NEW LIBRARIES

Five new libraries have levied a library tax this year, Bristol, Dugger, Jasonville, Huntingburg and West Lafayette. Bristol, Dugger and Huntingburg already possess reading rooms, that in Dugger being opened last November by the Community Welfare Association, while that in Huntingburg has been maintained since June 20th by the new Public Library Board from the subscription campaign which preceded the board's organization. Bristol was formerly served as a station of the Elkhart library, but when the question arose of levying a tax on the township in return for the service, the town was unwilling to continue the co-operation. The commission advised strongly the manifest advantages of co-operative service as part of a large well organized system, but the community insisted on independence. A five-cent tax was levied and a book shower brought in 3,000 volumes, the reading room being opened in November in quarters granted by the town board. The West Lafayette Library Board was organized last December and as the subscriptions pledged before the board's organization are largely collected now, the board is planning to open a reading room soon in quarters provided by the town council. In Jasonville the town council voluntarily made the library tax levy without any active campaign. There is therefore no fund available for the immediate support of a reading room, but plans are under way for obtaining funds and the council will provide the location.

The Edinburg Library Board which was organized a year ago, opened its reading room in December and has done very good work. The Fairmont library which has levied a small tax for the past two years, has been unable to obtain township co-operation, but hopes to open a town reading room after the first of the year.

New community libraries not supported by taxation have been established at Burnettsville, Farmland, Hope, Spiceland, Williamsburg, Wingate and Wolcott. It is hoped that several of these may later serve as stations of county library systems.

Plans for library service were discussed in Petersburg, Russellville, West Terre Haute and Winslow during the year, but no definite results developed.

LIBRARY NEEDS

The establishment of the Huntingburg public library in Dubois County leaves only two counties in the state without public libraries—Pike containing the towns of Petersburg and Winslow, and Crawford containing English, Leavenworth, Marengo and Milltown.

The Federal Census Bureau sets 2,500 population as the boundary line between urban and rural communities. Indiana has only three cities and towns with a larger population without public libraries. These are Bicknell (population 7,365), West Terre Haute (population 4,307), and Jasper (population 2,539). West Terre Haute will do better by not establishing an independent library, but by levying a tax to make possible service from the Terre Haute library. The Terre Haute Library and School Board has offered to give service to the suburb as soon as such a tax may be levied.

Four towns with populations between 2,000 and 2,500 still lack libraries. These are Batesville, population 2,361; Bremen, population 2,084; Loogootee, population 2,335, and Petersburg, population 2,367. Five towns between 1,500 and 2,000 are also without libraries—Beech Grove, population 1,500; Berne, population 1,537; Hymera, population 1,599; Shelburn, population 1,814, and Veedersburg, population 1,580.

The property valuation figures of some of these twelve "library-less" towns is interesting, as showing how unnecessary it is that an educational asset like the public library should be neglected in communities of this sort. Six of these towns have a property valuation of over two million dollars, thus making possible a library tax of over \$2,000 from the towns themselves without any township co-operation. The six wealthiest towns in Indiana still without public libraries are Bicknell, valuation 1921, \$4,552,190; Beech Grove, valuation, \$3,246,460; Berne, valuation, \$2,672,290; Batesville, valuation, \$2,307,380; Jasper, valuation, \$2,092,455, and Bremen, valuation, \$2,091,896.

NEW BUILDINGS

The last of the before-the-war donations of the Carnegie Corporation has now been utilized, three new library buildings having been thrown open during the year. These new buildings house the public libraries at Hebron, Linden and North Judson. Hebron and Linden were each granted \$7,500 by the corporation and North Judson received \$10,000. All three, however, added local gifts and the buildings were erected at an approximate cost of \$14,000 each.

LIBRARY GIFTS

The town of Bourbon, Marshall County, was given \$12,000 for a library building by the late William Erwin, who was keenly interested in a library campaign in Bourbon several years ago. As yet no steps have been taken to organize a library board and take advantage of the gift.

The outstanding library gift of the year was \$150,000, left to the Indiana Historical Society for a library building and endowment by the late Delavan Smith. The town of Waldron, Shelby County, was mentioned in the will of the late James Curtis as a residuary legatee for \$50,000 for a public library building, but it is doubtful whether any funds will finally be available. The late Judge Howe left to the Franklin public library one-third of his estate amounting to about \$25,000. This is to be held in trust for some years pending the death of other beneficiaries, but will ultimately form a splendid endowment for the library. A \$6,000 gift to the Fort Wayne public library and \$5,000 to the Indianapolis public library should also be mentioned.

The West Lebanon library was also offered a \$5,000 gift, but only on condition that the library which was erected by a Carnegie gift, be renamed after the new patron. The sum will only net a small portion of the income the library will need. The patron refused a request from the library board to permit the use of the funds as a book endowment of a memorial collection. The library board refused to accept the donation on these terms.

RURAL EXTENSION WORK

COUNTY LIBRARIES

The principal point of interest is the new county library tax voted by Bartholomew County for service from the Columbus public library. This problem has been before the two communities for a number of years and it is anticipated that a better service will result because of the thorough understanding reached by both parties to the agreement.

TOWNSHIP EXTENSION WORK

Four new townships receiving service are to be recorded for this year. Auburn which has been serving a neighboring township for several years has now received a tax from its own township, Union. Linton also receives its first tax from Stockton Township. A five-cent rate was granted which will yield about \$1,700. Stockton Township is one of the most populous in the state, containing a large community really part of Linton, but outside the corporation line. Washington and Patoka Townships are co-operating with Bristol and Huntingburg.

Fairfield Township which was reported last year as joining Brookville, did not after all levy the tax it promised. The Brookville library relying on the promise of township authorities to make the levy this year conducted a station free for a year, only to have the authorities go back on their word and refuse to pay for the service they had already received.

A report of difficulty at Brookston has been received, but details are lacking so that we do not know whether the co-operation has actually been discontinued or not.

Our records now show 199 townships obtaining library service from 158 different public libraries. The new county library at Columbus will serve fourteen more townships and with the other county libraries, makes a total of 312 townships receiving library service out of the 1,017 in the state. Fortunately, these 312 are the most populous, containing over two million inhabitants as against less than one million in the other 705.

BOOK WAGONS

The newest book wagon in the state, that at Rochester, for Fulton County service, was put into service in March. This is a different type from the others in the state in that the books are shelved inside the car and the patrons enter to make their selection. It will be more comfortable in cold weather. Evansville is also contemplating a book wagon for Vanderburg County patrons.

INDIANA LIBRARY WEEK, APRIL 23-29, 1922

One of the outstanding events in the state's library history was a week of concentrated publicity emphasizing the value of local library service and celebrated simultaneously all over the state. More than three-quarters of the libraries in Indiana took part in this campaign and the results obtained were very gratifying.

The suggestion for the campaign was presented by Edmund L. Craig of Evansville, at the Indiana Library Trustees Association meeting in November and at once endorsed by both the Indiana Library Trustees Association and the Indiana Library Association. The executive management of the campaign was placed with a committee consisting of Mrs. W. A. Denny of Anderson, Miss Winifred Ticer of Huntington, Charles E. Rush and Miss Gretta Smith of the Indianapolis public library, and the secretary of the Public Library Commission.

Publicity material was sent out by the committee to the libraries of the state, the cost about \$80, being borne jointly by the two library associations. The mimeograph work was donated by the Indianapolis public library.

SUMMER SCHOOL

During the past few years the summer school schedule has been very crowded, so that it was decided this summer to expand the course to seven weeks. Forty students took the work, and all but one of the thirty-nine completing the course, received a passing grade. Of these students one was a library trustee, seven were librarians, and thirty-two assistants. The importance of this instruction to assistants is proven by the fact that by October 1st, three more of the assistants had become librarians of their respective libraries.

The Y. W. C. A. repeated their courtesy of last year and once more permitted the use of their educational rooms as a dormitory for thirty students. The Indianapolis School Board likewise co-operated in permitting us to use three rooms in Shortridge High School for the classes, while the Indianapolis public library helped materially in the reference course by giving the students the use of all works needed.

The general courses were given by members of the commission staff, with Miss Carrie E. Scott of the Indianapolis public library, presenting ten lectures on work with children and Mrs. Julia S. Harron of the Cleveland public library, giving a similar number on book selection. In addition, seventeen other speakers gave talks on various phases of library work. A reunion luncheon was held for the summer school classes of 1902, 1907, 1912 and 1917, at which representatives of the classes of 1902 and 1912 spoke to the class of 1922 on features of the work in which they have been specially successful.

Through the summer school, the commission has succeeded in reaching all parts of the state with instruction. There are very few libraries in Indiana which have not had librarians or assistants trained by us. Starting with the class of 1901, 648 persons have taken the work besides thirty-three who have taken the advanced course occasionally offered by the commission.

It must be emphasized that this course is not in any way a substitute for a course in a regular library school. It is not a library school at all, merely an apprentice's course of instruction in fundamentals to assistants already employed by libraries of the state. We are unable and unwilling to accept as students young people seeking a short cut to employment as librarians. They will get the best start only through a year's study in one of the accredited schools.

The young women who made up the 1922 class were:

Jane B. Aspinall, Assistant, Plymouth (now Librarian).
 Blanche Barr, Librarian, Spencer.
 Bernis Bartholomew, Assistant, Goshen.
 Blanche Bemish, Assistant, North Vernon.
 Ruth Bills, Assistant, Columbia City.
 Edna Bollinger, Assistant, North Manchester.
 Regina L. Coker, Assistant, Evansville.
 Erma Cox, Assistant, Martinsville (now Librarian).
 Ruth M. Cox, Librarian, Thorntown.
 Mrs. Mary L. Davis, Librarian, Lowell.
 Lois Gross, Assistant, Gary.
 Mildred C. Hall, Assistant, Fowler.
 Maude Harmon, Assistant, Frankfort.
 Nellie G. Harper, Librarian, Madison.
 Lois Henze, Assistant, Elwood.
 Dorothy E. Hiatt, Assistant, Indianapolis.
 Sara M. Hill, Assistant, Rockport (now Librarian).
 Mildred B. Jamison, Assistant, Gary.
 Hazel Lett, Assistant, Washington.
 Elinor Meyers, Assistant, Gary.
 Wilma Miller, Assistant, Marion.
 Jane M. North, Librarian, Rising Sun.
 Anna M. Nye, Trustee, Lynn (4 weeks' work).
 Leah J. Power, Assistant, Warsaw.
 Valla Ridens, Assistant, Evansville.
 Mary E. Schmitt, Assistant, Seymour.
 Freda Silver, Assistant, Evansville.
 Lucile Slater, Assistant, Hartford City.
 Velma E. Snider, Assistant, Huntington.
 Helen M. Stone, Assistant, Mooresville.
 Edith Switzer, Assistant, Logansport.
 Mary L. Taylor, Assistant, South Bend.
 Mabel Wallace, Librarian, Orleans.
 Mildred Wallace, Assistant, Evansville.
 Mrs. Josephine Walling, Librarian, Pennville.
 Mrs. Alice M. Weeks, Assistant, Auburn.
 Ethel Willis, Assistant, Crawfordsville.
 Naomi H. Wolter, Assistant, South Bend.
 Florence A. Wood, Assistant, New Albany.
 Ruth I. Young, Assistant, Hammond.

LIBRARY MEETINGS

Fourteen district meetings of the Indiana Library Association were held during the first five months of the year at Aurora, Cambridge City, Columbia City, Danville, Ill. (joint meeting with libraries of eastern Illinois), Frankfort, Franklin, Greencastle, Marion, Mishawaka, Orleans, Princeton, Rochester, Tell City and Whiting. The Public Library Commission has a large share in the preparation of the programs for these meetings. This aid is important for the meetings, bringing together librarians and library trustees to talk over their mutual problems, give profitable impetus to library progress in the state.

The meetings of the Indiana Library Trustees at Hotel Severin, November 17th to 19th, and of the Indiana Library Association at Hotel Roberts, Muncie, October 26th to 28th, were very successful and well attended. The presiding officers of the two organizations were Edmund L. Craig of Evansville, and Miss Mary Torrance of Muncie. The presi-

dents elected for the ensuing year who will preside at the joint meeting of the two associations in November, 1922, are Mrs. W. A. Denny of Anderson, for the Indiana Library Trustees Association, and Miss Winifred Ticer of Huntington, for the Indiana Library Association. Miss Ticer's removal from the state and subsequent resignation, will leave her place to be taken by Miss Alice D. Stevens of Logansport, the Indiana Library Association vice-president.

TRAVELING LIBRARIES

An increase of 9.5 per cent was shown in the circulation from the Traveling Libraries Department over last year's figures. The advance from eighty-five requests from general reading groups to 127, and from 119 from schools to 143, is gratifying. This increase is made in spite of a decrease of almost 2,000 volumes in loans to public libraries. We have endeavored for several years to discourage libraries from borrowing books from the commission when they should be building up their own collections. Of the seventy-one libraries aided, only forty borrowed traveling library collections. The other thirty-one received only small loans of books for special needs. There are, of course, many libraries among the fifty in communities of less than 1,000 which will continue to need help, but we aim to develop local initiative and responsibility.

To the thirteen counties of the state served by county libraries, no traveling library collections are sent except to the library. Of the others, traveling libraries were sent to all but nine, DeKalb, Delaware, Floyd, Lake, Madison, Miami, Monroe, Tippecanoe and Tipton. Six of these had no libraries the year before, Delaware, Floyd, Lake (only one township not receiving service from some public library), Miami, Monroe and Tippecanoe. Floyd and Miami have had no libraries for three years and Tippecanoe for four.

TRAVELING LIBRARY DEPARTMENT STATISTICS, 1922 REPORT

October 1, 1921, to September 30, 1922

	1921-22	1920-21
New stations	69	71
Total number requests filled—		
Initial loans	345	336
Renewals	192	161
	537	497
Total volumes lent—	1921-22	1920-21
Initial loans	18,285	19,608
Renewals	14,841	10,627
	33,126	30,235

Traveling library statistics by associations:

Traveling library statistics by associations:

	Associations	Requests	Volumes
Public libraries	71*	216	12,472
Reading rooms	4	5	412
Rural	5	7	438
General reading	51	127	9,872

Clubs	12	39	611
Schools	70	143	9,321
	<hr/>	<hr/>	<hr/>
	213	537	33,126

*40 borrowed traveling libraries.

31 borrowed special small loans.

FINANCIAL REPORT OF THE PUBLIC LIBRARY COMMISSION

October 1, 1921, to September 30, 1922

Personal service	\$13,288 04	
Salaries		\$12,436 68
Wages, shipping clerk and extra help		502 36
Special payments—Summer school lecturers		349 00
Contractual service	3,731 80	
General repairs—Typewriters and multigraph		25 00
Traveling expenses		1,592 60
Transportation—Express, etc.		57 44
Communication—Postage, telephone, etc.		523 62
Printing and binding—Printing (not supplies), Occurrent, etc.		733 96
Book repairing		724 18
Other service—Dues and clippings		75 00
Supplies	747 47	
Office—Stationery, etc.		490 39
Educational—Periodicals		76 45
Distributions, booklists and pamphlets.....		180 63
Equipment	3,472 21	
Office—Stacks, files, etc.		1,043 18
Educational—Traveling library books		2,429 03
		<hr/>
	\$21,239 52	\$21,239 52

In closing this last annual report, the present secretary desires to express his appreciation of the many courtesies shown him by the librarians and library trustees of Indiana. Especially helpful has been the confidence and assistance of the members of the Public Library Commission. To the librarians and staffs of the Indiana State Library and the Indianapolis Public Library we are indebted for many favors and constant aid whenever we have asked it. Finally, the loyal co-operation, the friendly spirit and the earnest efforts of his fellow workers on the commission staff merit the secretary's keenest appreciation.

PUBLIC LIBRARY

The list which follows includes all public libraries in Indiana supported wholly or in part by local communities the calendar year 1921. A supplementary list arranged by population is appended, which will prove useful for

CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	Law
1 Akron.....	Mrs. E. H. Ferry.....	930	1,803	1912	
2 Albion.....	Lutie Earle.....	1,142	1,792	1914	
3 Alexandria.....	Mrs. Ralph Bertsche.....	4,172	2,689	1895	
4 Anderson.....	Margaret A. Wade.....	29,767	2,910	1891	Spec.
5 Angola.....	Erma Garrett.....	2,650	1,374	1914	
6 Atlanta.....	Susanna Bailor.....	678	4,574	1916	
7 Attica.....	Katharine Fisher.....	3,335	556	1902	
8 Auburn.....	Mrs. Virginia Emanuel.....	4,650	1,204	1906	
9 Aurora.....	Constance L. Wilder.....	4,299	556	1902	
10 Avon (Danville R. F. D.)...	Nellie Gorrell.....	125	1,302	1920	1899
11 Bedford.....	Minta Stone.....	9,076	3,721	1897	Spec.
12 Bloomfield.....	Mary Lamb.....	1,872	1,581	1905	
13 Bloomington.....	Mrs. Katharine E. Poulson.....	11,595	3,215	1912	
14 Bluffton.....	Mrs. Ida Eshbaucher.....	5,391		1902	
15 Boonville.....	Mrs. Anna Isley.....	4,451	2,800	1911	
16 Borden.....	Mrs. Emma Scott.....	333	926	1914	
17 Boswell.....	Leonora E. Gillespie.....	880	544	1910	
18 Brazil.....	Mrs. Gerna Gunnison.....	9,293	524	1875	
19 Bristol.....	Mrs. W. S. Oberholtzer.....	568	505	1921	
20 Brook.....	Ethel Reed.....	975	1,413	1910	
21 Brookston.....	Doll Hayes.....	815	1,113	1915	
22 Brookville.....	Mrs. Martha B. Kimble.....	2,220	1,722	1910	
23 Brownsburg.....	Ottie Roberts.....	1,063	1,580	1916	
24 Brownstown.....	Kittie Robbins.....	1,544		1910	
25 Butler.....	Mrs. Nora Rudd.....	1,745	2,960	1906	
26 Cambridge City.....	Mrs. L. M. Tweedie.....	1,963	2,754	1913	
27 Cannelton.....	Mrs. Annie Ellison.....	2,008		1890	1883
28 Carlisle.....	Mrs. Luella B. Wagner.....	973	2,439	1915	
29 Carmel.....	Nellie E. Wells.....	598	1,568	1904	
30 Carthage.....	Mattie Clark.....	902	913	1890	1852
31 *Centerville.....	Mrs. Minnie Wright.....	917	1,031	1921	
32 Charlestown.....	Emma Reich.....	820	1,767	1893	1899
33 Churubusco.....	Mrs. Emma Pressler.....	916	1,114	1914	
34 Clinton.....	Ola Boling.....	10,963	7,616	1908	
35 Coatesville.....	Mrs. Rose C. Edwards.....	522	1,211	1912	
36 Colfax.....	Maude E. Rosenburger.....	793	893	1915	
37 Columbia City.....	Bertram French.....	3,500	2,842	1901	
38 Columbus.....	Lenora Bonham.....	8,980		1899	1883
39 Connersville.....	Isabel Ball.....	9,901	940	1907	
40 Converse.....	Charles B. Newby.....	1,168	1,178	1916	
41 Corydon.....	Georgia A. Stockslager.....	1,785	2,356	1909	
42 Covington.....	Katy Diffenderfer.....	1,945	840	1912	
43 Crawfordsville.....	Gertrude Aiken.....	10,139	2,393	1899	1883
44 Crown Point.....	May Burge.....	3,232	1,817	1906	
45 Culver.....	Mrs. C. F. White.....	1,080	1,559	1915	
46 Danville.....	Lou Robinson.....	1,729	1,346	1903	
47 Darlington.....	Fay Miller.....	824	861	1914	
48 Decatur.....	Annette Moses.....	4,762	1,464	1904	
49 Delphi.....	Mary Cochrane.....	2,087	1,299	1900	
50 Dublin.....	Mrs. E. S. Morgan.....	630		1886	1883
51 *Dugger.....	Chas. Heaton.....	1,679		1921	

*Report is for less than a year.

†Not yet open.

‡Unless specified, law is 1901-03-19.

STATISTICS

ity taxation. These statistics are in most cases for the fiscal year, July 1, 1921 to June 30, 1922; a few are for comparative purposes. Tax rate is given in cents on the hundred dollars.

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
\$12,500		1915	\$4,250	\$4,138	.06	Henry	Incl.intown	.06	\$111	1
10,000		1918	1,866	345	.03	Albion	\$73	.02	220	2
						Green				
						Jefferson	629	.02		
						York	597	.02		
14,000		1902	3,470	1,840	.09	Monroe	1,155	.01	456	3
52,000		1905	13,571	12,754	.03	Anderson	100	Appr.	713	4
10,000		1915	2,219	1,703	.05	Pleasant	295	.02	220	5
10,000		1917	3,240	586	.10	Jackson	2,652	.04	22	6
11,500		1904	2,682	1,803	.09	Logan	868	.05	18	7
35,000	Eckhart	1911	4,724	3,248	.0425	Jackson	724	.02	750	8
10,000	Sutton	1914	2,488	2,317	.07	Center	160	.05	11	9
School			1,103			Washington	810	.025	292	10
20,000		1902	4,923	3,543	.05	Shawswick	851	.02	228	11
						County	300	Appr.		
12,000		1911	2,569	1,831	.10	Richland	659	.05	76	12
24,600		1918	6,494	5,665	.05	Bloomington	200	.01	330	13
						Perry	300	.01		
17,000		1905	3,736	3,028	.05				437	14
12,000		1915	5,023	2,549	.07	Boone	1,571	.03	901	15
Rent			317	162	.02	Wood	133	.02	20	16
8,350		1912	1,504	616	.10	Grant	813	.05	73	17
20,000		1904	4,174	3,257	.05	Brazil	769	.05	147	18
City			85		.05	Washington		.05	85	19
7,200		1915	2,674	830	.06	Iroquois	1,045	.02		20
						Jackson	799	.02		
10,000		1917	1,956	1,550	.08	Prairie	Incl.intown	.025	105	21
10,000		1912	2,550	1,636	.035	Brookville	854	.03	58	22
12,000		1918	2,063	488	.035	Lincoln	1,248	.035	30	23
						Brown	334	.01		
Rent			291	278	.05				12	24
10,000		1915	1,676	1,000	.05	Franklin	70	.01	120	25
						Stafford	35	Appr.		
						Troy	50	Appr.		
Rent			4,149	1,179	.07	Wilmington	400	.01		
						Jackson	1,349	.03	219	26
						Washington	1,339	.03		
City Hall			271	257	.02				14	27
10,000		1917	1,889	299	.03	Haddon	1,543	.03	57	28
11,000		1914	2,460	434	.05	Clay	1,013	.02	82	29
						Delaware	929	.02		
6,500	Subser	1902	1,784	200	.02	Ripley	1,200	.02	382	30
Rent						Center				31
Rent			677	180	.03	Charlestown	575	.03	22	32
Rent			810	385	.04	Smith	385	.03	39	33
13,000		1911	7,716	5,328	.065	Clinton	2,030	.03	356	34
8,000		1916	2,334	659	.08	Clay	1,626	.03	47	35
9,700		1917	1,331	235	.03	Perry	1,060	.02	35	36
25,000	Peabody	1919	6,013	2,422	.05	Columbia	1,497	.03	181	37
						Thorn Creek	538	.02		
						Union	1,378	.03		
19,200		1902	4,818	4,514	.033				313	38
19,700		1909	3,777	2,867	.04	Connersville	673	.01	235	39
9,000		1918	1,474	415	.04	Jackson	992	.03	63	40
8,700		1914	2,171	1,189	.07	Harrison	475	.03	505	41
10,200		1914	1,945	978	.04	Troy	916	.02	50	42
26,000		1902	4,021	2,805	.064	Union	954	.015	231	43
12,000		1908	3,913	2,124	.05	Center	1,352	.03	262	44
						Winfield	173	.01		
10,000		1916	2,093	675	.06	Union	1,316	.03	101	45
10,000		1903	3,619	1,641	.08	Center	1,978	.04		46
10,000		1915	2,664	426	.05	Franklin	2,217	.05	27	47
12,700		1906	5,875	4,133	.05	Washington	1,043	.01	698	48
10,000		1906	2,971	1,719	.08	Deer Creek	1,081	.0175	169	49
School			370	263	.08				106	50
Rent										51

(¹) Unless other wise specified, Carnegie building.

CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	Law
52 Dunkirk.....	Lucille Painter.....	2,532		1917	
53 Earl Park.....	Sanna Deniston.....	542	410	1906	
54 East Chicago.....	Mrs. Frances Byers.....	35,967		1910	
55 *Edinburg.....	Mary E. Howell.....	2,376	712	1921	
56 Elkhart.....	Ella F. Corwin.....	24,772	797	1903	
57 Ellwood.....	Mrs. Ralph Donaldson.....	10,790	7,272	1898	
58 Evansville (Public).....	Ethel F. McCullough.....	85,264	7,029	1911	
Evansville Willard.....	Katherine Imbusch.....	85,264		1876	Spec.
59 †Fairmount.....	Mrs. Wayne Fowler, Secy.....	2,155		1921	
60 Flora.....	Ruth Dawson.....	1,441	983	1915	
61 Fort Branch.....	Mattie Holcomb.....	1,339	1,180	1916	
62 Fortville.....	John Walker.....	1,213	1,235	1916	
63 Fort Wayne.....	Margaret M. Colerick.....	94,904	27,754	1894	1883
64 Fowler.....	Mrs. Kate B. Hay.....	1,442	5,492	1906	
65 Francesville.....	Doris Petra.....	648	610	1915	
66 Frankfort.....	Olive Brumbaugh.....	11,585	1,609	1880	1883
67 Franklin.....	Julia Mason.....	4,909	3,386	1911	
68 Fremont.....	Lynn C. Bisbee.....	729	543	1920	
69 French Lick.....	Mrs. Grant Beatty.....	1,980	3,164	1919	
70 Garrett.....	Grace Zerkle.....	4,796	1,367	1911	
71 Gary.....	W. J. Hamilton.....	55,378	7,182	1908	
72 Gas City.....	Dorothy Eisenhardt.....	2,879	1,081	1913	
73 Goodland.....	Mrs. Sara Arrick.....	1,120		1907	
74 Goshen.....	Elizabeth Rockwell.....	9,525	1,103	1902	
75 Grandview.....	Mrs. Grace C. Barker.....	689	416	1914	
76 Greencastle.....	Belle S. Hanna.....	3,780	1,693	1891	1883
77 Greenfield.....	Bernie Baldwin.....	4,168	1,672	1898	
78 Greensburg.....	Mrs. Ida L. Ewing.....	5,345		1902	
79 Greentown.....	Mrs. Goldia Condon.....	1,163	1,409	1919	
80 Greenwood.....	Mayme Hanson.....	1,907	1,647	1916	
81 Hagerstown.....	Mrs. Laura A. Hines.....	1,238	1,002	1913	
82 Hammond.....	Mrs. Jeanie L. Sawyer.....	36,000		1903	
83 Hartford City.....	Minta Fordney.....	6,183	1,389	1903	
84 Hebron.....	Mrs. W. E. Thaney.....	832	1,334	1917	
85 *Huntingburg.....	Genevieve Williams.....	2,464		1922	
86 Huntington.....	Priscilla McArthur.....	14,000		1872	1883
Indianapolis County.....	Anna P. Blaich.....	314,194	33,867	1843	Spec.
87 Indianapolis Public.....	Charles E. Rush.....	314,194		1873	1871
88 †Jasonville.....		4,461			
89 Jeffersonville.....	Bertha F. Poindexter.....	10,098	5,629	1900	1852
90 Kendallville.....	Mrs. G. B. Bunyan.....	5,369		1911	
91 Kentland.....	Virginia Rinard.....	1,283	658	1910	
92 Kewanna.....	Mrs. Nita Barnett.....	695	1,742	1905	
93 Kingman.....	Mrs. Edith D. Lindley.....	578	1,164	1913	
94 Kirklin.....	Lena Myers.....	695	909	1913	
95 Knightstown.....	Evelyn Waller.....	1,918		1906	
96 Knox.....	Mrs. Amy H. Kelley.....	1,577	810	1919	
97 Kokomo.....	Mrs. Dana H. Sollenberger.....	30,067		1885	1883
98 Ladoga.....	Bertha Ashby.....	1,045	1,998	1919	
99 Lafayette.....	Flora Ruger.....	22,480		1882	1883
100 LaGrange.....	Mrs. G. E. Herbert.....	1,610	855	1912	
101 Laporte.....	Mrs. Jennie B. Jessup.....	15,158		1897	1883
102 Lawrenceburg.....	Corinne Tebbs.....	3,464	1,320	1910	

*Report is for less than a year.

†Not yet open.

(1)Unless specified, law is 1901-03-19.

STATISTICS

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources
School.			\$1,071	\$1,014	.05				55
\$8,500		1914	3,535	853	.05	Richland	\$2,666	.05	15
42,000		1914	25,580	25,580	.032				54
Rent			382		.06	Blue River			382
35,000		1903	19,213	16,527	.045	Concord	1,764	.03	920
30,000		1904	6,027	4,815	.065	Pike Creek	1,000	.015	210
60,000		1912-14	78,461	73,419	.06	Vanderburgh Co.	3,036	.01	2,003
65,000	Carpenter.	1885							58
			198	198	.01				59
9,000		1918	1,740	1,000	.06	Monroe	1,034	.03	116
10,500		1917	2,061	310	.03	Union	1,759	.03	61
10,000		1918	2,666	1,031	.07	Vernon	1,676	.03	107
110,700		1904	90,436	72,000	.05	Allen Co.	16,587	.02	1,848
8,000		1906	5,920	835	.04	Center	1,707	.03	97
						Gilboa	449	.03	64
						Hickory Grove	567	.01	
						Parish Grove	571	.01	
						Pine	521	.03	
						Union	745	.01	
						York	516	.01	
9,000		1916	2,796	712	.10	Salem	2,015	.05	66
24,000		1907	9,914	8,975	.07	Center	413	.01	325
17,500		1915	7,549	3,884	.06	Franklin	1,630	.03	275
						Needham	1,012	.02	
						Union	745	.02	
Owned		Report	not received			Fremont			68
Rent			1,986	1,910	.05	French Lick	Incl.intown	.05	74
10,000		1915	4,007	3,108	.095	Keyser	653		746
111,700		1912-19	73,726	73,726	.05	Calumet	Incl.intown	.03	70
						Hobart	Incl.intown	.05	71
						St. John	Incl.intown	.025	
						West Chester	Incl.intown	Appr.	
12,500		1914	5,366	1,900	.10	Mill	1,722	.05	1,743
Rent			1,121	1,018	.055				101
25,000		1902	7,532	5,451	.045	Elkhart	1,496	.03	572
8,000		1919	992	978	.06	Hammond	Incl.intown	.05	13
20,200		1903	4,602	3,983	.04	Greencastle	Incl.intown	.02	618
10,600		1909	4,187	2,061	.03	Center	1,874	.02	250
16,100		1905	4,071	3,910	.06				180
School			790	487	.04	Liberty	295	.05	31
Commun	ity Bldg.	1919	1,677	1,549	.05	Pleasant	Incl.intown	.02	126
Rent			1,354	485	.03	Jefferson	684	.02	182
27,000		1905	26,214	25,101	.045				1,110
15,000		1904	3,276	2,551	.08	Licking	725	.01	83
15,000		1922	2,762	1,666	.07	Boone	714	.03	39
						Eagle Creek	340	.01	
Rent									85
28,000		1903	8,712	8,498	.05				213
Court H.			205			Marion County	75	Appr.	130
500,000	Taxation.	1917	283,143	235,403	.04				47,739
	No report		received						87
16,000		1906	4,605	2,428	.03	Jeffersonville	1,770	.03	402
14,950		1914	4,383	3,633	.10				750
11,000		1911	2,854	906	.05	Jefferson	1,528	.015	418
8,800		1914	1,361	438	.045	Union	897	.04	26
8,000		1914	671	190	.03	Mill Creek	475	.01	6
7,500		1914	1,456	810	.05	Kirklín	635	.03	11
10,000		1912	2,051	1,182	.01				174
Rent			1,069	520	.03	Center	481	.02	66
31,000		1905	11,237	11,212	.03				25
Owned			5,247	1,010	.08	Clark	2,088	.05	92
						Scott	2,055	.05	
9,000	Reynolds	1891							99
12,500		1919	2,596	1,184	.05	Bloomfield	554	.025	284
						Clay	571	.02	
37,500		1920	9,892	8,075	.045				1,817
11,800		1915	3,552	2,029	.04	Lawrenceburg	1,028	.04	109
						Miller	385	.04	102

(2) Unless otherwise specified, Carnegie building.

CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	Law
103 Lebanon.....	Mrs. Cora O. Bynum.....	6,257	2,278	1902	
104 Liberty.....	Esther Hamilton.....	1,292	4,922	1913	
105 Ligonier.....	Mrs. Lena W. Stansbury.....	2,037	867	1907	
106 *Linden.....	Mrs. Grace Thomas Vlier.....	557	687	1915	
107 Linton.....	Adria D. Humphreys.....	5,845		1908	
108 Logansport.....	Alice D. Stevens.....	21,626	13,136	1893	1883
109 Lowell.....	Mrs. Mary L. Davis.....	1,197	2,665	1918	
110 Lynn.....	Mrs. Jesse Horne (Sec.).....	898	1,465	1920	
111 Madison.....	Nellie G. Harper.....	6,711	20,709	1889	
112 Marion.....	Daisy Springer.....	23,747		1884	
113 Martinsville.....	Bessie Caldwell.....	4,895	1,784	1906	
114 Mentone.....	Mrs. Cora Van Gilder.....	678	1,082	1916	
115 Merom.....	Mrs. Bernice B. Daniels.....	503	1,624	1916	
116 Michigan City ⁽¹⁾	Mary B. Snyder.....	19,457	500	1895	1881
117 Milford.....	Irene Lentz.....	811	1,926	1907	
118 Milroy.....	R. Lyle Power, Prin.....	669	740	1916	1889
119 Mishawaka.....	Marie E. Simpson.....	15,195		1907	1881
120 Mitchell.....	Grace E. Mitchell.....	3,025	2,552	1914	
121 Monon.....	Emma A. Pogue.....	1,357	1,164	1913	
122 Monterey.....	Lena S. Collins.....	304	817	1917	
123 Monticello.....	Nora G. Gardner.....	2,536	1,068	1903	
124 Montpelier.....	Belle I. Shull.....	2,297	1,575	1907	
125 Mooresville.....	Mrs. Norris Talley.....	1,781	1,226	1912	
126 Moscow (Milroy R. F. D.).....		145	870	1911	1889
127 Mount Vernon.....	Lola Nolte.....	5,284	2,339	1892	
128 Muncie.....	Mary Torrance.....	36,524	2,545	1875	
129 Nappanee.....	Ruth F. Stevens.....	2,678	1,514	1919	
130 Nashville.....	Mrs. Geo. Allison.....	323	6,696	1919	
131 New Albany (Public).....	Annette L. Clark.....	22,992		1884	1883
132 New Albany (Twp.).....	Susie B. Dowerman.....				
132 Newburg.....	Mrs. Edward Jones.....	1,295	2,038	1909	
133 New Carlisle.....	Mrs. Carrie R. Williams.....	609	1,227	1902	
134 Newcastle.....	Lulu M. Christner.....	14,468		1913	
135 New Harmony.....	Mrs. Nora C. Fretageot.....	1,120		1838	Spec.
136 Noblesville.....	Lulu M. Miesse.....	4,758	1,749		
137 *North Judson.....	Mrs. Laura Short.....	1,189	916	1916	
138 North Manchester.....	Marie N. Creager.....	2,711	2,265	1908	
139 North Vernon.....	Mrs. Isaac P. Caldwell.....	3,084	10,216	1917	1917
140 Oakland City.....	Retta McCullough.....	2,270	1,026	1917	
141 Odon.....	Zella Ackerman.....	985	1,095	1915	
142 Orland.....	Mrs. Lettie Squires.....	322	454	1902	1899
143 Orleans.....	Mabel Wallace.....	1,408	977	1913	
144 Osgood.....	Mrs. Clara B. Jones.....	1,093	720	1911	
145 Otterbein.....	Theresa H. Farrell.....	702	1,231	1919	
146 Owensville.....	Mrs. Jessie M. Mauck.....	1,239	2,606	1915	
147 Oxford.....	Mable L. Deeds.....	950	572	1912	
148 Paoli.....	Mabel Hollowell.....	1,520	1,346	1917	
149 Pendleton.....	Evangeline E. Lewis.....	1,244	1,333	1909	
150 Pennville.....	Mrs. Josephine Walling.....	646	820	1895	1899
151 Peru.....	Mrs. May Hurst Fowler.....	12,410	854	1896	1883
152 Pierceton.....	Marie Shanton.....	1,018	1,034	1915	
153 Plainfield.....	Orrell Negus.....	1,373	3,398	1901	
154 Plymouth.....	Jane Aspinall.....	4,338	4,561	1910	
155 Porter.....	Emily Peterson.....	699		1914	

*Report is for less than a year.

†Not yet open.

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STATISTICS

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
15,000		1905	\$6,250	\$3,441	.04	Center	\$2,268	.02	\$539	103
\$10,000		1915	3,838	401	.025	Union County	3,349	.025	87	104
10,000		1908	3,882	2,300	.06	Perry	1,381	.025	201	105
10,000		1915	1,568	115	.075	Madison	1,381	.03	41	106
15,000		1909	2,081	1,832	.08				247	107
35,000		1904	36,899	19,230	.045	Cass County	16,723	.025	946	108
14,500		1920	2,824	567	.05	Cedar Creek	978	.02	117	109
						West Creek	1,160	.015		
Rent			275	127	.0475	Washington	127	.0025	20	110
Rent			7,307	3,342	.05	Jefferson County	3,807	.03	157	111
62,500		1902	22,715	21,929	.08				785	112
14,900		1908	3,684	1,627	.08	Washington	840	.03	1,215	113
Rent			1,671	187	.02	Harrison	659	.02	28	114
10,000		1918	946	923		Gill	795	.02		
33,000	Subsc	1897	5,384	4,112		Michigan	Incl.intown		22	115
10,000		1919	1,881	409		Jefferson	667		1,272	116
						Van Buren	774		15	117
School			793	Incl.inTwp		Anderson	793	.01		
30,000		1916	7,781	7,550	.027					118
12,300		1917	3,283	1,207	.10	Marion	1,316	.035	231	119
10,000		1914	2,154	549	.05	Monon	1,357	.03	758	120
5,000		1918	876	63	.03	Tippecanoe	793	.03	47	121
10,000		1907	3,427	2,361	.06	Union	1,065	.02	19	122
10,000		1908	2,582	1,181	.07	Harrison	1,248	.02		123
10,000		1916	3,754	1,424	.10	Brown	1,629	.08	152	124
						Madison	580	.03	119	125
School						Orange				
12,000		1905	2,513	1,496	.06	Black	412	.01		126
55,000		1904	23,984	22,069	.05	Center	2,300	.05	601	127
Owned			3,475	2,075	.05	Locke	529	.02	603	128
						Scott	409	.02	186	129
						Union	499	.01		
Rent			1,025	10	.05	Brown County	177	.05	833	130
40,000		1904	6,080	5,850	.028				230	131
10,000		1919	2,680	800	.05	Ohio	1,798	.05	80	132
9,000		1921	1,010	99	.015	Olive	879	.105	31	133
20,000		1916	2,440	2,179	.03				259	134
23,000	Murphy	1894	7,000	Endow't						135
15,000		1913	11,167	3,882	.06	Fall Creek	1,267	.04	273	136
						Noblesville	2,211	.04		
						Wayne	1,409	.04		
						White River	2,095	.04		
14,000		1922	7,837	4,660	.07	Wayne	1,469	.03	1,707	137
10,600		1912	3,005	1,670	.04	Chester	1,764	.02	70	138
20,000		1920	9,470		.10	Jennings Co	7,064	.04	2,406	139
City Hall			2,479	1,433	.05	Columbia	1,021	.05	24	140
Rent			981	449	.05	Madison	511	.03	20	141
5,000	Joyce	1903	103			Milgrove	73	.05	30	142
10,000		1915	1,370	678	.07	Orleans	665	.03	24	143
8,800		1914	1,231	532	.06	Center	629	.04	69	144
Owned			3,669	603	.06	Boliver	2,947	.07	116	145
						Medina		.03		
12,500		1917	1,951	544	.045	Montgomery	1,357	.015	48	146
8,000		1917	3,733	664	.05	Oak Grove	3,006	.05	61	147
8,000		1918	1,531	803	.07	Paoli	684	.04	41	148
8,500		1912	2,403	822	.05	Fall Creek		.02	333	149
School			344			Penn	339	.10	3	150
24,000		1903	6,786	5,453	.04	Peru	900	.02	428	151
10,000		1918	1,650	323	.02	Monroe	100	Appr.	20	152
						Washington	1,206	.02		
9,600		1913	3,882	895	.06	Guilford	1,538	.035	10	153
						Liberty	1,431	.025		
17,000		1913	5,791	2,482	.045	Center	1,473	.02	194	154
						North	856	.02		
						West	782	.02		
City Hall			274	274	.02					155

(*)Unless otherwise specified, Carnegie building.

(*)Report for more than a year.

PUBLIC LIBRARY

CITY OR TOWN		Name of Librarian	Population of Town	Rural Population Served	Date Organized	¹ Law
156	Portland	Louise Timmonds	5,958	1,432	1898	
157	Poseyville	Caroline Elliott	881	1,190	1898	
158	Princeton	Anna F. Embree	7,132	2,708	1883	
159	Remington	Molly Shearer	1,044	908	1913	
160	Rensselaer	Antoinette Price	2,912	1,071	1903	
161	Richmond	Mrs. Ada L. Bernhardt	26,765	4,681	1864	
162	Ridgeville	Mrs. Florence Grahg	1,042		1912	
163	Rising Sun	Jane M. North	1,411	3,613	1915	
164	Roachdale	Mrs. Lulu Payne	876	979	1912	
165	Roann	Mrs. Nora Story	414	1,189	1914	
166	Roanoke	Mrs. Faye Davidson	760		1920	
167	Rochester	Grace Stingly	3,720	8,283	1904	
168	Rockport	Sara Hill	2,581	2,248	1915	
169	Rockville	Mary E. Lambert	1,968	1,533	1913	
170	Royal Center	Olive Rhody	900	833	1914	
171	Rushville	Mary A. Sleeth	5,498		1910	
172	Salem	Bertha Mayfield	2,836	2,125	1903	
173	Scottsburg	Kate Morrison	1,609	5,815	1917	1917
174	Seymour	Katherine Frazee	7,348	1,164	1904	
175	Shelbyville	Bertha Bowlby	9,701	1,362	1897	1883
176	Sheridan	Nellie Pettijohn	1,761	1,982	1910	
177	Shoals	Mrs. Marie Brown	1,034	2,079	1912	
178	South Bend	Virginia M. Tutt	70,983		1888	1883
179	South Whitley	Mrs. Anne Metzger	1,074	2,726	1913	
180	Spencer	Blanche Barr	2,066	2,276	1906	
181	Stilesville	Ella Larimore	357	634	1921	1899
182	Sullivan	Mrs. Alice Burns	4,489	2,693	1902	
183	Swayzee	M. Mark	650	991	1919	
184	Syracuse	Helen Bowld	1,171	805	1908	
185	Tell City	Mrs. Emma B. Phillips	4,086		1904	
186	Terre Haute	Mrs. Sallie C. Hughes	66,083		1882	1883
187	Thornstown	Ruth M. Cox	1,432	938	1912	
188	Tipton	Mrs. Sam Matthews	4,507	4,416	1901	
189	Union City	Jessie L. Kerr	3,406		1902	
190	Valparaiso	Zada M. Carr	6,518	904	1905	
191	Van Buren	Deloris Doyle	1,861	1,260	1917	
192	Vevay	Mayme C. Snipes	1,175	8,136	1915	1917
193	Vincennes	Ella Davidson	17,210		1889	1883
194	Wabash	Effie Roberts	9,872		1902	
195	Walkerton	Mabelle Conrad	1,031		1913	
196	Walton	Averil Campbell	713	2,038	1914	
197	Warren	Inez Black	1,520	1,027	1916	
198	Warsaw	Miriam Netter	5,478	1,537	1885	
199	Washington	Mildred Draddy	8,743	3,591	1901	
200	Waterloo	Leora Yeagy	1,172	479	1912	
201	Waveland	Evelyn Fullenwider	590	1,440	1914	
202	Westfield	Eva Wells	574	2,300	1901	
203	†West Lafayette	Wm. E. Downs, Sec.	3,830		1921	
204	West Lebanon	Ruth E. Biser	637	360	1914	
205	Westville	E. T. Scott	408	945	1913	
206	Whiting	Adah Shelly	10,145		1904	
207	Williamsport	Mina Dannecker	1,088	393	1915	
208	Winamac	Joanna O'Connell	1,684	896	1905	
209	Winchester	Mary J. Diggs	4,021		1912	
210	Worthington	Dorothy Strouse	1,853	753	1912	
211	Zionsville	Jesse F. Phillippi, Trustee	957	969		1899

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STATISTICS

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources
\$15,000		1902	\$4,728	\$3,841	.055	Wayne	\$660	.01	\$225
5,500		1905	827	141	.06	Robb	683	.02	3
15,000		1905	4,438	1,844	.025	Patoka	1,818	.025	773
10,000		1916	1,922	1,692	.04	Carpenter	Incl.intown	.02	228
12,000		1905	4,960	1,931	.045	Marion	2,971	.05	55
50,000	Morrison	1864	8,872	Incl.inTwp.		Wayne	7,842	.06	1,029
Rent			684	585	.05				97
10,000		1918	2,923	1,274	.10	Ohio County	1,523	.05	92
10,000		1914	1,837	1,709	.06	Franklin	Incl.intown	.03	126
10,000		1918	1,107	222	.06	Pawpaw	838	.02	45
Rent			173	167	.06				6
18,000		1907	10,411	1,716	.04	Rochester	3,273	.035	311
						Fulton Co.			
						5 Twps.	5,108	.03	
17,000		1919	2,190	961	.02	Ohio	1,103	.05	124
12,500		1916	1,626	838	.07	Adams	718	.03	69
10,000		1915	1,714	554	.05	Boone	1,153	.03	5
Court H.			2,949	2,421	.03				727
Rent		1905	2,543	1,609	.10	Washington	872	.05	59
20,300		1920	3,190			Scott County	2,331	.05	358
10,000		1905	5,849	4,765	.08	Jackson	735	.02	845
30,000		1903	8,213	7,408	.05	Addison	558	.01	245
12,500		1913	2,690	891	.06	Adams	1,699	.03	99
10,000		1915	2,006	674	.10	Center	608	.07	5
						Halbert	717	.05	
31,000	Taxation	1896	65,820	63,996	.05				1,773
Owned			2,606	948	.06	Cleveland	1,592	.03	66
10,500		1912	3,618	1,964	.10	Clay	310	.05	111
						Montgomery	266	.05	
						Washington	964	.05	
School			467	450		Franklin			17
10,000		1905	3,737	2,541	.05	Hamilton	1,139	.02	53
Rent			2,275	434	.05	Sims	1,798	.05	41
10,000		1921	1,889	923	.06	Turkey Creek	913	.03	51
10,000		1917	2,141	2,009	.07				130
80,000	Fairbanks	1906	38,532	29,212	.05				9,320
10,000		1915	2,631	1,012	.09	Sugar Creek	1,345	.04	269
13,000		1902	3,030	1,860	.05	Cicero	589	.005	579
11,000		1904	1,627	1,627	.08				189
22,000		1916	6,373	5,370	.07	Center	748	.02	252
10,000		1919	1,956	244		Van Buren	1,624		85
12,500		1918	5,411	656	.07	Switzerland Co.	4,783	.07	70
35,000		1919	7,204	7,051	.02				152
20,000		1903	4,798	4,519	.03				277
Rent			511	484					26
10,000		1915	2,270	249	.03	Tipton	1,975	.03	43
10,600		1920	1,813	693	.06	Salamonie	1,060	.03	58
17,000		1917	9,850	7,020	.10	Wayne	2,432	.04	397
23,000		1903	3,662	2,883	.05	Washington	613	.02	164
9,000		1914	1,603	746	.06	Grant	810	.03	37
10,000		1915	3,060	409	.08	Brown	2,607	.05	42
9,000		1911	2,235	230	.06	Washington	1,956	.03	47
									203
7,500		1916	1,229	1,207	.05	Pike	Incl.intown	.04	21
8,000		1915	1,508	107	.03	New Durham	1,311	.03	88
20,000		1906	9,178	8,745	.04				430
8,000		1917	1,659	688	.06	Washington	970	.03	206
10,000		1916	2,174	1,226	.10	Monroe	948	.05	208
12,000		1916	7,303	2,198	.05				5,071
10,000		1918	1,754	1,563	.06	Jefferson	Incl.intown	.02	190
Rent			531			Eagle	529	.01	2

(†)Unless otherwise specified, Carnegie building.

TAX-SUPPORTED PUBLIC LIBRARIES

City or Town	Total Expenditures	Book Expenditures	Periodical Expenditures	Binding Expenditures	Salaries—Library Staff	Janitor	Rent	Heat	Light	Supplies	Insurance	
1 Akron.....	\$3,980	\$646	\$84	\$115	\$570	\$360	.....	\$190	\$105	\$45	.....	1
2 Alton.....	1,623	253	41	34	600	300	.....	165	99	65	.....	2
3 Alexandria.....	2,711	588	126	.....	1,078	315	\$12	315	145	45	\$28	3
4 Anderson.....	12,337	1,657	341	584	6,165	855	.....	586	454	591	100	4
5 Angola.....	1,701	430	71	.....	432	339	.....	193	110	59	191	5
6 Atlanta.....	2,802	1,016	96	.....	850	216	125	100	41	Incl. water	.....	6
7 Attica.....	2,532	487	135	198	742	241	.....	127	99	56	41	7
8 Auburn.....	5,323	855	223	274	1,475	720	.....	175	125	165	.....	8
9 Aurora.....	2,301	240	84	100	922	315	.....	142	139	46	.....	9
10 Avon (Danville R. F. D.).....	1,571	700	11	38	631	.....	10	.....	.....	172	.....	10
11 Bedford.....	4,923	483	128	184	1,620	350	.....	191	241	135	69	11
12 Bloomfield.....	1,561	238	23	279	600	173	.....	5	44	24	.....	12
13 Bloomington.....	6,238	1,425	179	320	1,730	840	.....	.....	220	Incl. water	149	13
14 Bluffton.....	2,739	449	193	67	1,762	525	81	217	131	73	.....	14
15 Boonville.....	5,392	881	102	119	1,650	180	11	307	165	106	61	15
16 Borden.....	346	115	.....	.....	150	.....	52	7	15	.....	.....	16
17 Boswell.....	1,577	152	35	.....	540	375	1	179	39	13	.....	17
18 Brazil.....	4,174	610	155	298	1,330	600	.....	194	149	77	521	18
19 Bristol.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
20 Brook.....	1,911	377	49	7	852	223	.....	179	24	27	.....	20
21 Brookston.....	1,569	232	45	.....	614	360	.....	172	55	5	.....	21
22 Brookville.....	2,749	590	84	40	1,015	360	.....	133	87	34	.....	22
23 Boonsburg.....	2,185	307	92	78	600	149	.....	167	72	20	53	23
24 Brownstown.....	336	18	24	.....	136	.....	100	7	14	4	5	24
25 Butler.....	1,679	268	61	5	740	Incl. janitor	.....	280	57	32	41	25
26 Cambridge City.....	4,142	870	158	314	1,709	123	410	23	102	120	29	26
27 Cammerton.....	270	125	.....	.....	132	.....	.....	.....	13	.....	.....	27
28 Carlisle.....	2,204	91	79	.....	695	275	.....	78	.....	25	.....	28
29 Carnel.....	2,012	424	59	165	515	456	37	199	65	42	.....	29
30 Carthage.....	2,098	168	52	121	800	240	.....	94	80	.....	.....	30

31	Centerville.....	566	54		419		60	16		10	6	31
32	Charlestown.....	692	226	34	234		144			10		32
33	Churubusco.....	7,779	1,058	192	688	400		187	5	453	12	33
34	Clinton.....	2,281	522	116	176	160		92	17	52	101	34
35	Coatesville.....											35
36	Colfax.....	1,491	122	32		730		152	15	14		36
37	Columbia City.....	5,825	1,218	144	417	845		278	118	200	87	37
38	Columbus.....	6,158	1,181	255	322	840		214	184	174		38
39	Connersville.....	3,851	594	287	171	420		215	162	19	128	39
40	Converse.....	1,513	345	69	58	660		109	44	34	65	40
41	Corydon.....	2,256	222	77	111	573		119	78	31		41
42	Covington.....	2,017	371	61		488		216	12	46	51	42
43	Crawfordsville.....	6,945	744	172	466	3,049		182	173	350	18	43
44	Crown Point.....	3,698	1,033	125	177	272		192	134	182		44
45	Culver.....	1,502	140	89	97	429		26	78	12	123	45
46	Danville.....	3,830	998	114	155	910		459	48	35		46
47	Darlington.....	1,992	404	86	167	946		40	46	78		47
48	Decatur.....	5,445	571	176		1,200		681	2yrs	50	55	48
49	Delphi.....	2,871	330	103		767		258	87	85	18	49
50	Dublin.....	398	171	27	72	100				13	10	50
51	Dugger.....											51
52	Dunkirk.....	776	325	54		360				10		52
53	Earl Park.....	3,746	247	38		1,020		251	51	151		53
54	East Chicago.....	21,542	2,139	483	474	12,652	500	656	357	309	291	54
55	*Edinburg.....	525	44	21		138	80	40	18	72		55
56	Elkhart.....	16,558	3,786	417	395	8,840		506	270	1,161	Incl. exp.	56
57	Elwood.....	5,113	532	222	193	1,834		984	199	108	40	57
58	Evansville (Public). Evansville (Willard).	80,989	4,625	1,265	3,757	37,570	1,440	545	714	1,493	Incl. rent	58
59	†Fairmount.....											59
60	Flora.....	1,698	493	58		600		133	25	21		60
61	Fort Branch.....	1,598	421	39	19	360		81	19	33		61
62	Fortville.....	2,591	476	50	77	980	53	48	37	96		62
63	Fort Wayne.....	75,554	20,052	1,486	3,991	30,325	1,229	442	989	5,826	201	63
64	Fowler.....	6,079	1,492	128	77	1,986		206	76	211		64
65	Francesville.....	2,469	450	52	42	517		74	68	Incl. water		65
66	Frankfort.....	8,539	1,591	256	863	3,192		889	259	56		66
67	Franklin.....	7,260	1,338	165	393	2,617	521	297	194	308	71	67
68	Fremont.....											68
69	French Lick.....	2,177	689	29		158	180			23		69

*Report for less than a year.

†Not yet open.

TAX-SUPPORTED PUBLIC LIBRARIES

City or Town	Total Expend- itures	Book Expend- itures	Periodical Expend- itures	Binding Expend- itures	Salaries— Library Staff	Janitor	Rent	Heat	Light	Supplies	Insurance
70 Garrett.....	\$2,541	\$305	\$99	\$222	\$720	\$240		\$376	\$210	\$91	\$26
71 Gary.....	70,663										70
72 Gas City.....	5,367	606	86	58	1,142	305		94	134	83	71
73 Goodland.....	848	161	13	13	363		192		9	20	72
74 Goshen.....	7,551	1,392	176	281	3,354	743		567	308	409	73
75 Grandview.....	1,047	249	39		390	96		42	44	250	74
76 Greencastle.....	5,090	66	218	215	2,080	422		195	85	75	75
77 Greenfield.....	3,454	839	148	229	1,584	240			153	49	76
78 Greensburg.....	3,732	775	147	178	1,500	660	33	232	Incl. light	Incl. water	77
79 Greentown.....	680	223	22		231	1				169	78
80 Greenwood.....	1,286	433		43	900						79
81 Hagerstown.....	1,222	337	57	51	270				21	76	80
82 Hammond.....	16,508	3,530	485	352	8,211	68	200		364	480	81
83 Hartford City.....	2,755	109	131	174	1,330	1,315		40	110	142	82
84 Hebron.....	3,512	196	49	61	547	Incl. janitor		129	23	362	83
85 Huntingburg.....											84
86 Huntington.....	28,556	998	293	874	4,214	900		374	222	148	85
87 Indianapolis (County).....	255	15			140						86
88 Indianapolis (Public).....	283,143	35,161	3,716	11,028	154,980	28,953	900	6,056	2,496	5,163	87
89 Jasonville.....											88
89 Jeffersonville.....	4,085	929	163	252	1,491	295		202	112	148	89
90 Kendallville.....	3,550	401	85	39	1,600	720			146	76	90
91 Kentland.....	2,246	437	83	76	680	360		382	72	67	91
92 Kewanee.....	1,159	223	50	3	307	212		136	87	60	92
93 Kingman.....	764	165	32		285	120		63	41	6	93
94 Kirklintown.....	1,701	360	37		401	325		188	60	5	94
95 Knightstown.....	2,633	282	84		660	215		265	77	10	95
96 Knox.....	837	268	23	44	232	26	147	7	Incl. water	50	96
97 Kokomo.....	9,601	2,697	Incl. books	448	3,548	840		416	239	465	97
98 Ladoga.....	5,238	1,326	71	83	1,014	91	168	27	14	80	98

99 Lafayette.....	2,764	392	101	54	739	240	51	134	61	48	138	99
100 Lagrange.....	6,652	317	179	162	2,032	947		321	193	276	182	100
101 Laporte.....	3,318	599	54	42	1,440	360		179			111	101
102 Lawrenceburg.....	5,733	1,278	161	458	1,913	423	344	115	240	93		102
103 Lebanon.....												103
104 Liberty.....	4,266	640	166	170	1,666	270	21	229	108	41	175	104
105 Ligonier.....	2,684	463	99	429	1,206	540		349	107	175	105	105
106 *Linden.....	4,806	892	49		219	7		31	10	286	245	106
107 Linton.....	2,119	194	152	52	934	322		87		99		107
108 Logansport.....	31,592	11,912	592	1,062	8,245	1,450		1,047	409	577		108
109 Lowell.....	2,673	517	67	63	745	324		250	124	61	9	109
110 Lynn.....	2,555	174	14				25	2		28		110
111 Madison.....	6,402	2,485	77	241	1,488		405		102	615	37	111
112 Marion.....	22,715	4,627	432	Incl. books	5,621	977		2,958	Telephone		694	112
113 Martinsville.....	3,630	482	160	140	1,567	353		223	Incl. light	108	98	113
114 Mentone.....	1,080	257	29	105	309	11	180	30	9	11		114
115 Merom.....	1,212	248			455	175		169	23	14	51	115
116 Michigan City.....					3,085	1,260						116
117 Milford.....	1,935	374	64		620	350		112	26	53	160	117
118 Milroy.....												118
119 Mishawaka.....	7,305	768	185	772	3,174			328	134	471	236	119
120 Mitchell.....	3,505	222	184	94	736	480	33	335	153	141	156	120
121 Monon.....	1,623	193	69	97	660	375		217	61	44		121
122 Monterey.....	1,065	386	6		440	8		53	19	32	49	122
123 Monticello.....	2,735	484	72	128	1,035	365		199		87	117	123
124 Montpelier.....	1,930	293	72	30	1,200			134	114	98		124
125 Mooresville.....	3,564	400	78	71	875	270		206	Incl. water	53	75	125
126 Moscow (Milroy R. F. D.).....									Incl. water			126
127 Mt. Vernon.....	3,682	468	245	533	1,475	175			94	222	11	127
128 Muncie.....	26,055	5,968	708	2,794	8,468	1,240		1,435	Incl. water	1,150	450	128
129 Nappanee.....	3,480	1,016	110	60	1,403	189		95	Incl. water	115	9	129
130 Nashville.....	960	95	24		517	20		16	70	15	84	130
131 New Albany (Public).....	4,994	677	179	395	2,100	520	73	318	165	148		131
132 Newburgh.....	1,834	475	Incl. books		696	180		83	146	88	91	132

*Report for less than a year.

TAX-SUPPORTED PUBLIC LIBRARIES

City or Town	Total Expend- itures	Book Expend- itures	Periodical Expend- itures	Binding Expend- itures	Salaries— Library Staff	Janitor	Rent	Heat	Light	Supplies	Insurance	
133 New Carlisle.....	\$956	\$152	\$39	\$23	\$490	\$120			Incl. light	\$11	\$66	133
134 Newcastle.....	4,530	1,192	424		1,620	360		\$479	Incl. light	148		134
135 New Harmony.....	5,443	2,522	231	183	2,900	480		296	Incl. light		70	135
136 Noblesville.....	7,063	1,505	146	256	2,487	272		240	\$134	219	228	136
137 *North Judson.....	7,784	357	30		75				4	39		137
138 North Manchester.....	2,611	636	114	166	1,080	240			57	158		138
139 North Vernon.....	9,479	1,588	174	600	2,613	563		200	240	466		139
140 Oakland City.....	1,192	43	43		774			27		44		140
141 Odon.....	1,048	601	49		254		\$50	11	12	29	17	141
142 Orland.....	1,645	100	23		180	12		40	20	170		142
143 Orleans.....	1,416	317	46		300	300		128	60	10		143
144 Osgood.....	1,181	53	15	34	372	240		119	48	16		144
145 Otterbein.....	3,694	558	113		940	Incl. janitor		133	26	23	26	145
146 Owensville.....	2,078	680	73	2	652	241		131	94	40	150	146
147 Orford.....	2,778	685	112	129	825	298		139	52	60	188	147
148 Paoli.....	1,134	288	80		360	150		57	30	9		148
149 Pendleton.....	2,266	631	63		900	208		248	31	61	38	149
150 Pennville.....	324	83			160					6		150
151 Peru.....	6,278	859	210	307	3,617	536		231	132	211		151
152 Pierceton.....	1,256	404	41	10	444			20	24	5	23	152
153 Plainfield.....	3,461	444	111	71	1,391	383		135	56	75	160	153
154 Plymouth.....	5,057	1,010	195	383	2,185	480		170	180			154
155 Porter.....	385	120			120							155
156 Portland.....	3,867	792	80	242	1,182	480		480	75	105		156
157 Poseyville.....	705	333	60		180	74		42	4	10		157
158 Princeton.....	5,233	286	167	161	2,344	365		345	163	181		158
159 Remington.....	1,629	259	21		480	300			155	9	15	159
160 Rensselaer.....	3,412	615	195	103	1,200	240		223	114	75	18	160
161 Richmond.....	10,200	1,166	333	643	4,328	900	60	846	Incl. water	233	1,048	161
162 Ridgville.....	666	159	15	58	260	109			199	11	13	162
163 Rising Sun.....	2,394	258	55	27	1,105	246	21	42	85	48	44	163

164	Roachdale.....	1,419	223	62	34	456	268	99	86	47	13	164
165	Roann.....	1,290	215	12	.....	356	313	140	48	20	118	165
166	Roanoke.....	332	115	.....	.....	144	.....	5	5	10	15	166
167	Rochester.....	10,512	2,132	242	315	3,417	360	367	240	509	63	167
168	Rockport.....	2,120	531	44	68	506	240	94	159	127	210	168
169	Rockville.....	1,888	310	92	136	702	157	115	Incl. water	19	48	169
170	Royal Center.....	1,815	406	37	80	796	Incl. janitor	151	15	79	.....	170
171	Rushville.....	2,323	506	123	168	1,368	60	.....	.....	50	46	171
172	Salem.....	2,667	271	134	169	660	480	199	96	461	44	172
173	Scottsburg.....	5,162	816	46	.....	853	500	117	50	72	.....	173
174	Seymour.....	5,820	964	156	445	2,118	240	266	142	30	.....	174
175	Shelbyville.....	6,822	586	200	532	3,696	420	219	426	206	145	175
176	Sheridan.....	3,000	628	137	103	806	480	31	19	89	173	176
177	Shoals.....	1,732	162	82	29	519	142	107	57	21	.....	177
178	South Bend.....	45,058	10,004	949	1,850	24,379	Incl. janitor	1,200	547	1,211	1,119	178
179	South Whitley.....	2,792	640	69	109	770	31	114	Incl. light and water	130	.....	179
180	Spencer.....	2,235	588	93	.....	906	180	140	90	85	.....	180
181	Stilesville.....	346	85	9	.....	250	.....	181	.....	.....	.....	181
182	Sullivan.....	3,239	254	103	45	1,001	265	176	61	101	.....	182
183	Swayzee.....	1,798	140	16	.....	220	3	26	12	2	.....	183
184	Syracuse.....	1,684	429	42	.....	480	100	124	20	80	.....	184
185	Tell City.....	1,958	453	51	3	734	318	83	66	55	.....	185
186	Terre Haute.....	40,700	4,429	1,233	1,766	27,457	2,060	1,324	395	540	147	186
187	Thornstown.....	2,729	177	116	60	592	240	134	181	165	10	187
188	Tipton.....	3,362	1,047	90	149	1,248	Incl. janitor	248	.....	92	30	188
189	Union City.....	1,581	175	87	.....	626	383	243	43	.....	.....	189
190	Valparaiso.....	5,904	680	253	384	2,152	502	390	175	145	151	190
191	Van Buren.....	1,258	353	25	3	600	10	191	24	31	.....	191
192	Vevay.....	5,283	1,360	124	142	1,438	214	132	62	171	264	192
193	Vincennes.....	6,380	1,345	290	421	2,731	660	189	132	28	355	193
194	Wabash.....	5,256	607	164	123	1,500	300	.....	222	89	61	194
195	Walkerton.....	524	126	18	.....	240	2	.....	18	16	.....	195
196	Walton.....	2,074	161	58	41	720	480	179	62	44	202	196
197	Warren.....	2,263	297	47	.....	450	72	101	18	142	.....	197

*Report for less than a year.

TAX-SUPPORTED PUBLIC LIBRARIES—Continued

CITY OR TOWN	Total Expend- itures	Book Expend- itures	Periodical Expend- itures	Binding Expend- itures	Salaries— Library Staff	Janitor	Rent	Heat	Light	Supplies	Insurance
198 Warsaw.....	\$7,698	\$1,013	\$104	\$123	\$1,884	\$960		\$243	\$169	\$320	198
199 Washington.....	3,670	256	172	267	1,380	840		235	146	158	199
200 Waterloo.....	1,365	200	61		510	180		169	74	23	200
201 Waveland.....	2,608	685	85	124	854	193		140	76	139	201
202 Westfield.....	2,183	626	34	108	500	240		188	37	45	\$63 202
203 West Lafayette.....											203
204 West Lebanon.....	1,375	387	63		500	Incl. janitor		136	50	27	204
205 Westville.....	1,271	202	63		580	Incl. janitor		121	41	16	205
206 Whiting.....	10,960	1,817	256	194	4,483	1,680		340	385	181	283 206
207 Williamsport.....	1,133	284	56		376	176		127	39	33	37 207
208 Winamac.....	1,650	214	81	46	720	300			41	6	208
209 Winchester.....	1,638	418	83	40	625	330			112		209
210 Worthington.....	1,633	289	60	13	606	148		146	Incl. light	124	21
211 Zionsville.....	397	253		44	45		\$30				14 211

	CITY OR TOWN	Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
1	Akron.....	664	328	3,441	442	30	10,335
2	Albion.....	1,710	927	5,806	651	19	30,991
3	Alexandria.....	1,966	611	6,186	522	49	35,859
4	Anderson.....	11,102	.....	19,546	3,139	115	86,057
5	Angola.....	2,338	254	5,406	610	25	28,969
6	Atlanta.....	1,529	652	5,202	948	31	25,809
7	Attica.....	2,865	100	7,416	419	40	15,671
8	Auburn.....	2,503	496	5,848	678	76	33,478
9	Aurora.....	2,241	168	6,781	369	35	26,549
10	Avon (Danville R. F. D.).....	600	600	1,676	1,676	.....	7,745
11	Bedford.....	3,202	615	12,951	355	51	33,210
12	Bloomfield.....	1,632	550	4,411	286	36	12,334
13	Bloomington.....	7,388	1,361	9,604	949	60	58,693
14	Bluffton.....	2,943	.....	12,308	398	60	45,749
15	Boonville.....	2,528	412	6,214	863	39	50,918
16	Borden.....	406	.....	1,514	7	19	3,118
17	Boswell.....	652	225	2,375	100	16	8,581
18	Brazil.....	2,595	451	11,533	365	45	28,905
19	*Bristol.....	262	.....	3,000	3,000	5	6,975
20	Brook.....	1,828	844	3,500	363	31	14,699
21	Brookston.....	1,082	.....	2,293	203	13	11,985
22	Brookville.....	2,088	581	4,608	483	36	21,189
23	Brownsburg.....	1,017	480	3,861	643	12	18,129
24	Brownstown.....	1,351	.....	1,864	134	11	13,391
25	Butler.....	1,137	118	5,433	199	30	13,432
26	Cambridge City.....	2,774	1,381	9,061	851	69	58,942
27	Cannelton.....	293	.....	2,819	95	11	5,793
28	Carlisle.....	1,391	338	3,179	169	35	11,933
29	Carmel.....	1,668	1,120	4,307	288	28	12,867
30	Carthage.....	893	411	6,135	298	51	18,075
31	Centerville.....	500	.....	1,200	500	.....	3,124
32	Charlestown.....	468	.....	2,676	121	.....	6,560
33	Churubusco.....	820	317	2,649	321	.....	11,717
34	Clinton.....	9,668	2,851	12,506	1,178	55	123,830
35	Coatesville.....	1,023	638	4,096	480	35	16,657
36	Colfax.....	620	245	1,735	133	15	10,051
37	Columbia City.....	1,830	810	12,447	1,365	74	37,366
38	Columbus.....	2,122	31	16,600	1,104	106	72,398
39	Connersville.....	2,990	165	8,918	588	98	35,078
40	Converse.....	831	217	3,256	237	33	14,509
41	Corydon.....	1,413	447	2,631	228	29	18,245
42	Covington.....	738	136	4,422	329	27	12,191
43	Crawfordsville.....	5,826	610	15,119	801	50	42,923
44	Crown Point.....	2,066	361	7,306	951	46	25,498
45	Culver.....	1,427	313	3,525	277	34	8,977
46	Danville.....	2,250	396	8,763	725	46	21,135
47	Darlington.....	711	.....	3,726	411	41	12,701
48	Decatur.....	3,673	.....	.....	653	49	24,623
49	Delphi.....	1,214	350	7,003	262	35	19,068
50	Dublin.....	462	262	3,803	206	16	7,447
51	Dugger.....	.....	.....	.....	.....	.....	.....
52	Dunkirk.....	1,490	.....	2,914	197	22	11,608
53	Earl Park.....	667	238	3,101	198	27	12,682
54	East Chicago.....	5,436	.....	26,855	3,962	132	137,411
55	*Edinburg.....	632	56	917	923	9	7,680

*Report for less than a year.

PUBLIC LIBRARIES—Continued.

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarian's Hours Per Week	
9,190	1,145	4,411	None	Two weeks.	30	30	1
(1) 25,557	5,434	9,034	None	None.	38	38	2
27,022	8,837	13,959	1	Two weeks.	63½	48	3
68,428	17,629	18,894	5	.....	72	42	4
18,926	10,043	10,567	1	Two weeks.	30	30	5
20,931	4,878	10,437	1	Holidays.	42	42	6
12,493	3,178	4,797	1	Two weeks.	48	48	7
.....	.....	.....	1	Two weeks.	60	42	9
21,291	5,258	9,666	1	Two weeks.	42	42	9
7,182	563	3,125	None	None.	42	42	10
.....	.....	18,010	1	One month.	52	48	11
8,321	4,013	5,120	None	Holidays.	30	30	12
42,772	15,921	24,722	2	One month.	63	42	13
30,783	14,966	22,661	1	Two weeks.	66	42	14
45,033	5,885	25,670	1	None.	45	39	15
3,118	.....	647	None	None.	12	12	16
6,090	2,491	2,096	None	Holidays.	30	30	17
(2) 27,563	1,342	13,516	1	Two weeks.	48	48	18
6,975	.....	2,192	None	None.	9½	9½	19
9,286	5,413	5,379	None	Holidays.	33	33	20
11,086	899	2,724	1	Two weeks.	42	42	21
16,019	5,170	7,256	1	One month.	42	42	22
15,308	2,821	7,251	None	Two weeks.	42	42	23
13,391	.....	6,150	None	None.	21	21	24
12,913	519	4,865	1	Two weeks.	42	42	25
32,668	26,274	18,481	2	Two weeks.	43½	43½	26
5,577	216	1,983	None	Holidays.	10	10	27
6,703	5,230	6,061	1	Two weeks.	38	38	28
9,602	3,265	3,486	None	One week.	41	41	29
8,372	9,703	4,043	1	Holidays.	34	34	30
(2) 2,084	.....	1,040	None	None. . . . .	.....	.....	31
.....	.....	2,471	None	Holidays.	45	45	32
8,776	2,941	3,876	None	None.	16	16	33
79,463	44,367	89,549	1	Ten days.	57	48	34
(2) 14,226	2,431	5,264	None	Two weeks.	24	24	35
7,144	2,907	3,091	None	Holidays.	32	32	36
(1) 28,629	8,737	11,938	2	Two weeks.	69	42	37
49,745	22,653	26,196	2	Two weeks.	63	48	38
28,828	6,250	11,370	2	None.	72	48	39
11,202	3,307	3,445	None	Holidays.	42	42	40
16,435	1,810	7,563	None	Two weeks.	32	32	41
10,596	1,595	4,642	None	Holidays.	30	30	42
(2) 31,685	11,238	11,497	2	One month.	57	42	43
17,306	8,192	10,874	1	One month.	42	42	44
5,527	3,450	3,910	1	One week.	30	30	45
(2) 13,731	7,404	6,968	1	Two weeks.	48	48	46
8,971	3,730	4,690	1	Two weeks.	33	33	47
23,099	1,524	11,385	1	Two weeks.	57	51	48
16,599	2,469	.....	1	None.	54	54	49
5,585	1,862	.....	None	None.	4	4	50
.....	.....	.....	.....	.....	.....	.....	51
9,772	1,836	4,523	None	None.	19½	19½	52
9,014	3,668	4,596	None	Two weeks.	39	39	53
69,931	67,480	71,479	8	Two weeks.	76	48	54
6,631	1,049	3,699	None	None.	15	15	55

(1) All branch circulation counted as fiction; school branches counted as juveniles.

(2) All juvenile circulation counted as fiction.

CITY OR TOWN	Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
56 Elkhart.....	11,740	700	36,115	2,424	204	158,660
57 Elwood.....	5,832	2,071	14,186	386	83	49,322
58 Evansville (Public).....	42,276	2,421	73,099	5,533	468	529,366
Evansville (Willard).....	16,486		52,750	2,330		80,110
59 †Fairmount.....						
60 Flora.....	1,221	222	3,185	847	20	11,879
61 Fort Branch.....	1,281	295	2,698	346	14	13,025
62 Fortville.....	1,417	674	3,235	474	15	14,800
63 Fort Wayne.....	33,069	3,030	106,391	18,720	410	485,364
64 Fowler.....	2,352	1,071	6,592	1,186	45	35,508
65 Francesville.....	623	217	2,130	464	36	12,386
66 Frankfort.....	6,874	346	18,142	1,787	123	78,860
67 Franklin.....	3,078	971	10,123	1,336	61	56,350
68 Fremont.....						
69 French Lick.....	800		1,198	435	10	9,534
70 Garrett.....	2,197	246	4,984	529	39	27,637
71 Gary.....	29,964		94,354	7,864	511	363,024
72 Gas City.....	1,043	410	3,810	437	34	23,156
73 Goodland.....	549	30	2,750	103	18	8,560
74 Goshen.....	5,215	862	15,190	1,016	113	93,072
75 Grandview.....	367	140	1,874	277	11	6,078
76 Greencastle.....			12,680	228		20,030
77 Greenfield.....	3,326	402	10,372	644	11	26,920
78 Greensburg.....	2,402	94	9,200	505	47	40,216
79 Greentown.....	652	97	1,476	333	8	7,915
80 Greenwood.....	1,005	146	3,098	1,774	24	13,014
81 Hagerstown.....	986	379	3,461	329	19	15,933
82 Hammond.....	6,175		30,267	3,517	170	118,059
83 Hartford City.....	2,498	439	13,278	471	57	41,929
84 Hebron.....	551	214	1,604	238	32	12,340
85 *Huntingburg.....						
86 Huntington.....	4,287		36,994	1,434	100	59,049
87 Indianapolis (County).....	97		5,068	8		1,184
Indianapolis (Public).....	79,992		285,950	49,282	1,749	1,191,981
88 *Jasonville.....						
89 Jeffersonville.....	5,654	210	11,024	996	61	55,371
90 Kendallville.....	3,119	85	7,145	560	27	26,799
91 Kentland.....	954	211	4,053	367	42	14,715
92 Kewanna.....	753	370	3,179	133	21	9,594
93 Kingman.....	711	71	1,463	133	11	5,738
94 Kirkland.....	747	400	2,900	176	15	6,719
95 Knightstown.....	1,407		5,767	190	48	15,792
96 Knox.....	1,044	50	1,711	264	10	9,447
97 Kokomo.....	12,490		22,408	3,843	167	118,901
98 Ladoga.....	1,211	683	3,988	1,278	27	22,276
99 Lafayette.....						
100 Lagrange.....	1,241	445	3,989	507	44	17,733
101 Laporte.....	6,373		25,445	925	57	66,666
102 Lawrenceburg.....	1,591	767	6,508	417	28	28,373
103 Lebanon.....	6,402	2,230	16,476	1,466	74	61,175
104 Liberty.....	2,957	1,965	5,408	618	86	32,751
105 Ligonier.....	1,000	291	6,625	380	39	32,989
106 *Linden.....	211	70	797	797	19	1,175
107 Linton.....	3,536		4,654	238	56	32,072
108 Logansport.....	9,931	5,939	35,899	9,112	208	156,364
109 Lowell.....	1,049	404	1,824	373	33	15,730
110 Lynn.....	588	197	1,039	446	6	8,346

*Report for less than a year. †Not yet open.

PUBLIC LIBRARIES—Continued.

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarian's Hours Per Week	
108,699	49,961	72,949	6	One month	72	45	56
39,998	9,324	16,728	1	One month	69½	45	57
286,939	242,427	294,739	25	One month	76	42	58
			2	Four weeks	54	54	
(2) 9,953	1,926	3,271	None	None	36	36	59
							60
8,207	4,818	6,945	None	None	28	28	61
12,334	2,466	5,121	1	None	42½	42½	62
234,206	251,156	269,290	29	Four weeks	75	45	63
(1) 29,151	6,357	19,987	2	Two weeks	48	42	64
9,978	2,408	3,405	None	Two weeks	27	27	65
51,410	27,450	32,890	3	Two weeks	72	42	66
40,489	15,861	24,835	2	One month	76	54	67
							68
		3,247	None	None	12	12	69
21,785	5,852	11,065	1	Two weeks	42	42	70
			26	One month	66	45	71
13,134	10,022	8,737	1	One week	57	48	72
7,594	966	3,173	None	One week	30½	30½	73
61,710	31,362	45,676	3	One month	66	42	74
5,643	435	1,847	1	None	42	42	75
			1		54	54	76
20,397	6,523	10,682	1	Two weeks	66	48	77
27,720	12,496	7,615	1	Two weeks	72	51	78
7,681	234	3,989	1	None	15	15	79
10,738	2,276	3,938	None	Ten days	54	54	80
14,501	1,432	5,366	None	None	16½	16½	81
77,373	40,686	55,788	10	Two weeks	72	45	82
35,893	6,036	17,234	1	Two weeks	39	39	83
9,293	3,047	4,621	1	None	20	20	84
							85
35,735	23,314	34,851	2	Three weeks	72	48	86
			None	None	6	6	87
698,642	493,339	546,854	107	Three weeks	76	42	
							88
46,242	9,129	20,708	1	None	48	48	89
20,316	6,483	10,533	1	Two weeks	48	42	90
10,454	4,261	5,279	1	None	42	42	91
5,900	3,694	3,718	None	None	30	30	92
4,333	1,405	1,263	1	None	14	14	93
		1,183	None	Two weeks	22	22	94
15,540	252	4,289	None	Two weeks	36	36	95
9,342	105	4,475	None	None	15	15	96
65,763	53,138	51,179	4	One month	75	42	97
18,458	3,818	7,699	2	Two weeks	27	27	98
							99
12,004	5,729	4,371	1	Two weeks	18	18	100
51,846	14,820	28,814	3	Two weeks	72	48	101
21,509	6,864	11,259	1	Holidays	48	48	102
52,124	9,031	20,585	2	Two weeks	60	60	103
(1) 28,836	3,925	9,708	2	Two weeks	44	42	104
24,702	8,287	14,969	None	Two weeks	33	33	105
957	218	599	None		34½	34½	106
25,062	7,010	14,105	1	Two weeks	48	48	107
117,275	39,089	68,192	6	Two weeks	72	42	108
9,071	6,659	4,931	None	None	42	42	109
7,866	480	3,393			6	6	110

(1) All branch circulation counted as fiction; school branches counted as juveniles.

(2) All juvenile circulation counted as fiction.

CITY OR TOWN		Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
111	Madison.....	3,229	1,442	7,391	2,548	32	50,744
112	Marion.....	9,437		39,605	2,313	131	125,206
113	Martinsville.....	3,078	789	9,344	485	50	40,694
114	Mentone.....	1,095	207	2,377	112	13	8,636
115	Merom.....	982	531	2,027	176	18	6,407
116	Michigan City.....	2,954		15,027	541	48	66,421
117	Milford.....	811	460	3,665	293	33	8,455
118	Milroy.....			2,725	50		
119	Mishawaka.....	4,018		9,397	606	73	73,960
120	Mitchell.....	2,059	562	3,351	181	42	24,946
121	Monon.....	1,477	525	5,268	271	25	15,138
122	Monterey.....	668	406	3,445	1,008	17	9,592
123	Monticello.....	2,904		6,898	1,230	24	17,299
124	Montpelier.....	1,662	385	9,145	211	24	21,530
125	Mooresville.....	1,850	682	4,208	634	32	17,086
126	Moscow (Milroy R. F. D.).....						
		1,671	367	9,269	346	67	31,229
128	Muncie.....	18,048		41,985	5,145	172	183,331
129	Nappanee.....	1,295		2,534	948	46	25,857
130	Nashville.....	966	405	3,339	1,088	12	9,364
131	New Albany (Public) New Albany (Twp.).....	8,381		23,610 990	600	81	67,428
132	Newburgh.....	739	142	3,321	402	24	12,187
133	New Carlisle.....	726	170	2,304	240	9	7,711
134	New Castle.....	3,516		6,133	574	50	37,136
135	New Harmony.....	804	30	23,653	474	102	31,612
136	Noblesville.....	3,764	2,024	11,577	1,569	70	55,204
137	*North Judson.....	160	37	963	592	12	985
138	North Manchester.....	2,422	565	4,738	486	39	19,363
139	North Vernon.....	4,886	3,152	6,535	413	65	69,204
140	Oakland City.....	1,792	182	2,408	532	17	19,741
141	Odon.....	740	470	2,124	642	15	10,446
142	Orland.....			2,793	71	15	3,597
143	Orleans.....	1,233	472	2,148	180	21	15,782
144	Osgood.....	601	186	3,190	215	11	7,141
145	Otterbein.....	745	287	1,849	462	38	10,831
146	Owensville.....	1,731	750	3,903	604	32	19,543
147	Oxford.....	946	340	3,426	620	42	15,941
148	Paoli.....	1,086	295	1,805	198	27	11,429
149	Pendleton.....	1,229	473	5,936	445	32	14,996
150	Pennville.....		360	1,600	51		2,465
151	Peru.....	3,065		22,243	4,486	111	54,144
152	Pierceton.....	649	314	1,699	224	19	9,943
153	Plainfield.....	3,163	1,945	7,520	443	48	48,186
154	Plymouth.....	3,010	1,071	8,517	1,173	57	50,302
155	Porter.....	458		1,956	116	10	3,275
156	Portland.....	2,291	242	2,073	677	38	36,066
157	Poseyville.....	364		2,282	132	28	9,787
158	Princeton.....	3,873	857	14,832	281	57	41,852
159	Remington.....	960	337	4,565	284	24	12,931
160	Rensselaer.....	2,825	356	12,511	746	73	22,175
161	Richmond.....	15,968	Incl. town	51,289	1,491	117	101,067
162	Ridgeville.....	615		2,541	202	6	9,621
163	Rising Sun.....	1,520	641	3,634	419	32	18,171
164	Roachdale.....	806	368	3,495	184	21	13,841
165	Roann.....	403	204	1,950	96	15	5,906

*Report for less than a year.

PUBLIC LIBRARIES—Continued.

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarian's Hours Per Week	
41,657	9,087	21,259	2	Two weeks	57	48	111
106,336	18,870	30,170	6	Two weeks	75	42	112
32,024	8,670	15,748	1	One month	72	48	113
		1,189	1	None	30	30	114
		3,107	None	Holidays	18	18	115
(1) 53,622	12,799	27,493	2	One month	72	36	116
7,879	576	3,292	None	Two weeks	35½	35½	117
			Stud'ts	Summer	40	40	118
52,260	21,700	31,933	2	Three weeks	66	42	119
19,081	5,865	11,292	1	Two weeks	48	45	120
12,743	2,395	6,470	None	Holidays	36	36	121
9,514	78	3,699	None	Ten days	36	36	122
10,184	7,115	2,941	1	Two weeks	48	48	123
(1) 18,954	2,576	8,479	1	Two weeks	51	51	124
(1) 14,114	2,972	6,978	1	Two weeks	42	42	125
							126
23,705	7,524	12,423	1	One month	51	48	127
138,211	45,120	95,117	7	Two weeks	72	45	128
17,927	7,930	16,128	1	Three weeks	46	46	129
7,638	1,726	3,386	None	None	28	28	130
41,273	26,155	23,607	2	Two weeks	69	48	131
					48	48	
8,641	3,546	5,359	None	None	28	28	132
7,040	671	3,524	None	Two weeks	29	29	133
27,945	9,191	16,176	1	Two weeks	75	43	134
18,105	13,597	6,982	1	Indefinite	66	66	135
40,416	14,788	19,447	2	Two weeks	72	48	136
923	62	416	None	None	19½	19½	137
11,729	7,634	7,814	1	Two weeks	42	42	138
52,658	16,546	25,937	2	Two weeks	70½	48	139
17,845	1,896	5,851	None	None	30	30	140
6,851	3,595	4,572	None	None	11	11	141
3,597		1,967	None	None	13	13	142
10,514	5,268	7,427	None	Holidays	32	32	143
6,545	596	2,323	None	Two weeks	48	48	144
9,512	1,319	4,381	None	One week	42	42	145
16,095	3,448	2,346	None	None	36	36	146
12,280	3,661	5,856	None	None	42	42	147
9,164	2,265	3,620	None	Holidays	18	18	148
12,589	2,407	4,928	1	Three weeks	34	34	149
			None	School holidays	20	20	150
43,071	11,073	21,897	2	Two weeks	72	45	151
9,273	670	3,588	None	None	40	40	152
33,457	14,739	19,890	2	Holidays	63	42	153
(1) 41,197	9,105	24,299	4	Two weeks	70	42	154
			None	None	2	2	155
22,843	13,223	21,024	1	Two weeks	38½	38½	156
9,440	347	1,255	None	None	9	9	157
27,012	14,840	17,689	2	Two weeks	76	42	158
9,112	3,819	3,950	None	Two weeks	42	42	159
16,241	5,934	8,805	1	Holidays	60	60	160
69,423	31,644	27,429	5	Two weeks	75	42	161
9,013	608	2,974	None	Holidays	18	18	162
13,397	4,774	8,686	1	Holidays	32	32	163
10,671	3,170	5,840	None	Holidays	42	42	164
4,064	1,842	2,008	None	None	28	28	165

(1) All branch circulation counted as fiction; school branches counted as juveniles.

TAX-SUPPORTED

CITY OR TOWN		Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
166	Roanoke.....	204		1,316	26		
167	Rochester.....	3,986	2,100	9,598	1,582	78	52,080
168	Rockport.....	1,908	736	3,560	492	25	18,155
169	Rockville.....	1,590	494	4,589	310	37	19,297
170	Royal Center.....	884	397	2,503	290	14	10,755
171	Rushville.....	2,046		6,166	496	59	36,103
172	Salem.....	1,349	348	8,526	157	58	28,020
173	Seymour.....	2,136	1,297	4,889	471	23	24,031
174	Seymour.....	4,205	486	9,470	955	78	59,765
175	Shelbyville.....	4,265	765	14,522	401	65	50,112
176	Sheridan.....	2,430	873	5,305	484	44	22,437
177	Shoals.....	1,096	529	3,532	383	39	9,785
178	South Bend.....	18,496		59,380	6,624	312	361,148
179	South Whitley.....	1,191	639	4,630	481	35	20,093
180	Spencer.....	1,710	699	5,429	505	48	19,902
181	Stilesville.....	383		803	89	12	5,974
182	Sullivan.....	2,351	176	5,774	363	46	29,344
183	Swayzee.....	598	200	1,813	402	8	10,023
184	Syracuse.....	1,002	378	2,768	221	15	8,052
185	Tell City.....	958		4,130	737	15	16,541
186	Terre Haute.....	18,100		71,000	4,081	250	400,227
187	Thorntown.....	989	343	6,218	236	38	12,399
188	Tipton.....	2,546	275	10,726	949	46	46,258
189	Union City.....	1,383		6,257	172	26	27,040
190	Valparaiso.....	5,240	347	9,517	466	115	38,390
191	Van Buren.....				100		
192	Vevay.....	3,474	2,633	7,600	1,281	50	43,958
193	Vincennes.....	4,836		15,688	1,173	115	49,224
194	Wabash.....	3,470		8,728	441	50	36,905
195	Walkerton.....	576		2,119	223	8	4,804
196	Walton.....	1,148	383	3,756	105	25	12,240
197	Warren.....	1,195	473	2,634	392	18	17,102
198	Warsaw.....	4,044	511	9,030	1,060	84	42,152
199	Washington.....	3,560	524	10,518	507	57	58,649
200	Waterloo.....	1,370	176	2,637	190	39	8,705
201	Waveland.....	1,002	482	3,592	518	32	16,356
202	Westfield.....	1,552	1,158	3,723	374	22	12,196
203	West Lafayette.....						
204	West Lebanon.....	669	334	2,867	250	38	8,905
205	Westville.....	250	189	3,652	343	27	7,232
206	Whiting.....	4,559		18,030	1,255	97	57,655
207	Williamsport.....	1,002		2,439	293	27	5,784
208	Winamac.....	1,826	507	5,264	234	29	13,956
209	Winchester.....	3,546		7,341	215	36	30,016
210	Worthington.....	1,236	370	4,626	478	26	21,404
211	Zionsville.....	472		2,202	182		5,867

PUBLIC LIBRARIES—Continued.

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarian's Hours Per Week	
			None		12	12	166
27,416	24,664	18,700	2	Fifteen days.....	57	48	167
14,902	3,253	8,087	1	Two weeks.....	32	32	168
14,058	5,239	6,436	None	Holidays.....	42	42	169
8,618	2,137	4,541	None	Holidays.....	42½	42½	170
30,617	5,486	14,624	2	Two weeks.....	49	42	171
20,549	7,471	7,644	1	Two weeks.....	51	45	172
19,275	4,756	10,075	1	Two weeks.....	36	36	173
37,793	21,972	29,373	1	Two weeks.....	67½	48	174
36,736	13,376	20,669	2	Three weeks.....	72	42	175
19,413	3,024	5,829	2	Two weeks.....	40	40	176
8,125	1,660	3,345	None	Holidays.....	38	38	177
(1) 235,406	125,742	205,530					
		(Est.)	16	Two weeks.....	72	45	178
14,282	5,811	7,440	1	One week.....	27	27	179
15,656	4,246	9,788	None	None.....	33	33	180
			1	None.....	15	15	181
15,735	13,609	13,345	None	Two weeks.....	39	39	182
(2) 9,600	423	2,677	None	None.....	48	48	183
6,597	1,455	3,403	None	None.....	36	36	184
12,312	4,229	8,032	None	Two weeks.....	30	30	185
241,240	158,987	106,544	18	Three weeks.....	76	42	186
8,486	3,553	4,376	None	One week.....	41	41	187
		22,782	1	Indefinite.....	48	48	188
20,992	6,048	7,960	1	Two weeks.....	39	39	189
27,221	11,169	13,706	3	Two weeks.....	51	46	190
			None	Holidays.....	30	30	191
(1) 34,603	9,355	14,618	1	Two weeks.....	30	30	192
37,818	11,406	17,949	2	Two weeks.....	76	48	193
27,007	8,998	16,723	1	Two weeks.....	72	48	194
		1,300	None	None.....	15	15	195
7,327	4,913	2,884	1	Holidays.....	48	48	196
14,071	3,031	6,900	None	None.....	13	13	197
29,848	12,304	18,849	2	Two weeks.....	66	51	198
40,902	17,747	38,496	1	Two weeks.....	66	45	199
5,322	3,383	2,206	None	None.....	30	30	200
10,949	5,407	5,212	1	Two weeks.....	33	33	201
9,226	2,970	4,093	1	Holidays.....	45	45	202
							203
7,261	1,644	2,070	1	None.....	36	36	204
5,704	1,528	1,938	1	Ten days.....	22	22	205
36,808	20,847	11,659	3	Two weeks.....	63½	41	206
5,428	356	1,663	None	None.....	36	36	207
8,031	5,925	1,157	None	None.....	33	33	208
28,940	1,076	11,613	None	Two weeks.....	42	42	209
16,416	4,988	9,344	None	Holidays.....	31½	31½	210
		1,605	None	None.....	24	24	211

ASSOCIATION

Libraries in the following towns are not tax supported. In most cases they are conducted under the auspices
is required from townspeople

TOWN	Association	Librarian	Population
212 Andrews.....	Library Association.....	Mrs. Olive Glaze.....	1,071
213 Burnettsville.....	D. K. G.....	Doris Finks.....	517
214 Campbellsburg.....	Woman's Club.....	Mrs. Sarah C. Holaday...	657
215 Clifty.....	Milford M. E. Church.....		139
216 Elizabethtown.....	Welfare Club.....	Hazel Beshears.....	313
217 Farmland.....	Library Association.....	Mrs. Golva Greene.....	878
218 Fountain City.....	W. C. T. U.....	Mrs. O. N. Huff.....	375
219 Hope.....	Library Association.....	Z. J. Callahan.....	1,183
220 Idaville.....	Economic Club.....	Gladys Ireland.....	650
221 La Crosse.....	Community Library.....	Mrs. M. C. Bishop.....	400
222 Lyons.....	Library Association.....	J. K. McCarter.....	894
223 Middlebury.....	Library Association.....	N. W. Pinkerton.....	600
224 Morocco.....	Woman's Club.....	Mrs. Tennis Dearduff.....	1,064
225 New London.....	Junta Literary Ass'n.....	Eva Newlin.....	100
226 Spiceland.....	Library Association.....	Mrs. Lillian B. Copeland..	632
227 Wanatah.....	Country Home Improvement Club	Mrs. Bert Cites.....	750
228 Williamsburg.....	Greene Twp. Library Ass'n.....	Mrs. Geo. Davis.....	350
229 Wingate.....	Library Association.....	J. G. Hirshbrunner.....	464
230 Wolcott.....	Library Association.....	Verba Parsons.....	868
			11,905

LIBRARIES

of a club or association, but are open to the public. Sometimes loans are free to all and sometimes a small fee not belonging to the association.

Date Organized	Terms of Lending	Income	Volumes	Added in Year	Circulation	
1906	School Children free; adults \$1 a year.....	\$475	2,018	18	3,558	212
1922						213
1920	Free.....					214
1920	Free.....					215
1920	Free.....		55		600	216
1922	Free.....	32	608	105	2,457	217
1907	Free.....	176	1,326	197	3,958	218
1922	Free.....					219
1907	Free.....					220
1920	Free.....	124	278	63		221
1912	Free.....		1,000			222
1917	Free.....					223
1913	Free.....		800			224
1872	Membership dues.....	21	524	1		225
1921	Free.....	70	320	320	1,200	226
1921	Free.....	58	800	200	1,370	227
1921	Free.....	218	250	95	3,480	228
1922	Subscription.....	63	251	19	370	229
1922						230
			8,894		21,923	

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION

Population Based on 1920 United States Census

City or Town	Population of City or Town	Township or County Support (2)	Number of Borrowers	Total Number of Volumes	Circulation	Town Tax Rate	Income from Town	Total Income	Total Expenditure	Book and Magazine Expenditure	Salaries of Library Staff	Hours Open Per Week
1 Indianapolis.....	314,194	None.....	79,992	285,950	1,191,981	.04	\$235,403	\$283,143	283,143	\$38,877	\$154,980	76
2 Fort Wayne.....	94,904	County, 20 twps. all	33,069	106,391	485,364	.05	73,000	90,436	75,754	21,538	30,325	75
3 Evansville.....	85,264	County, 8 twps. all	42,276	73,099	529,366	.06	73,419	78,461	80,989	5,890	37,570	76
4 South Bend.....	70,983	None.....	18,496	59,380	361,148	.05	63,996	64,820	45,058	10,953	24,379	72
5 Terre Haute.....	66,083	None.....	18,100	71,000	400,227	.05	29,212	38,532	40,700	5,662	and janitor 27,457	76
6 Gary.....	55,378	Townships, 4	29,964	94,354	303,024	.05	.....	73,726	70,663	.....	.....	66
7 Muncie.....	36,524	Township.....	18,048	41,985	183,231	.05	22,069	23,984	26,055	6,676	8,468	72
8 Hammond.....	36,004	None.....	6,175	30,267	118,059	.045	25,101	26,214	16,508	4,015	8,211	72
9 East Chicago.....	35,967	None.....	5,436	26,855	137,411	.032	25,580	25,580	21,542	2,672	12,652	75
10 Kokomo.....	30,067	None.....	12,490	22,408	118,901	.03	11,212	11,239	9,601	2,697	3,548	75
11 Anderson.....	29,767	Township inadequate..	11,102	19,546	86,057	.03	12,754	13,645	12,337	1,998	6,165	72
12 Richmond.....	26,765	Township.....	15,968	51,289	101,067	.03	7,842	7,872	10,200	1,500	4,328	75
13 Elkhart.....	24,772	Township.....	11,740	36,115	158,660	.045	16,527	19,213	16,558	4,203	8,840	73
14 Marion.....	23,747	None.....	9,437	39,605	195,206	.08	21,929	22,715	22,232	5,059	5,621	75
15 New Albany.....	22,922	None.....	8,381	28,610	67,428	.028	5,850	6,080	4,994	856	2,100	69
16 Lafayette.....	22,480	None.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
17 Logansport.....	21,026	County, 12 townships	9,931	35,899	156,364	.045	19,230	36,899	31,592	12,504	8,245	72
18 Michigan City.....	19,457	Township.....	2,954	15,027	66,421	.....	4,112	5,384	Not reported	.....	3,085	72
19 Vincennes.....	17,210	None.....	4,836	15,688	49,224	.02	7,051	7,204	6,380	1,635	2,731	76
20 Mishawaka.....	15,195	None.....	4,018	9,297	73,960	.027	7,550	7,781	7,305	9,953	3,174	66
21 Laporte.....	15,158	None.....	6,373	25,445	66,666	.045	8,075	9,892	6,652	496	2,032	72
22 New Castle.....	14,458	None.....	3,515	6,132	37,136	.03	2,179	2,438	4,530	1,616	1,620	75
23 Huntington.....	14,000	None.....	4,267	36,994	59,049	.05	8,498	8,712	8,556	1,291	1,291	72
24 Peru.....	12,410	Township.....	2,243	22,243	54,154	.04	5,453	6,786	6,278	1,069	3,617	72
25 Bloomington.....	11,595	Townships, 2	8,749	9,604	58,693	.05	5,665	6,494	6,238	1,604	1,730	63
26 Frankfort.....	11,585	Township.....	6,874	18,142	78,860	.07	8,975	9,914	8,539	1,847	3,192	72
27 Clinton.....	10,982	Township.....	9,668	12,506	123,830	.065	5,323	7,716	7,779	1,250	1,860	57
28 Elwood.....	10,790	Township.....	5,862	14,186	49,322	.065	4,815	6,027	6,113	1,754	1,834	69½
29 Whiting.....	10,145	None.....	4,559	17,655	57,655	.04	8,745	9,175	10,960	2,073	4,483	63½
30 Crawfordsville.....	10,139	Township.....	5,826	15,119	42,923	.064	2,805	4,021	6,945	916	3,049	57

31	Jeffersonville.....	10,098	Township.....	5,654	11,024	55,371	.03	2,428	4,605	4,085	1,092	1,491	48	31
32	Connersville.....	9,901	Township.....	2,990	8,918	35,078	.04	2,867	3,777	3,851	881	1,532	72	32
33	Washington.....	9,701	None.....	3,470	8,728	36,905	.03	4,519	3,777	5,256	771	1,900	72	33
34	Shelbyville.....	9,701	Township.....	4,265	14,522	50,112	.05	7,408	8,213	6,832	786	3,696	72	34
35	Goshen.....	9,525	Township.....	5,215	15,190	93,072	.045	5,451	7,532	7,551	1,568	3,354	66	35
36	Brazil.....	9,293	Township.....	2,595	11,533	28,905	.05	3,257	4,174	4,174	765	1,330	48	36
37	Bedford.....	9,276	Township.....	3,202	12,951	33,210	.05	3,543	4,923	4,923	611	1,620	52	37
38	Columbus.....	8,940	Township.....	2,122	16,600	72,398	.033	4,514	4,816	6,168	1,436	2,660	63	38
39	Washington.....	8,793	Township.....	3,560	12,518	58,649	.05	2,883	3,662	3,670	1,380	2,660	63	39
40	Seymour.....	7,348	Township.....	4,205	9,470	59,765	.08	4,765	5,849	5,820	1,120	2,118	67½	40
41	Princeton.....	7,132	Township.....	3,873	14,832	41,852	.025	1,844	4,438	5,233	403	2,344	76	41
42	Madison.....	6,711	County, 10 townships.	5,229	7,391	50,744	.05	3,342	7,807	6,402	1,652	1,488	57	42
43	Valparaiso.....	6,518	Township.....	5,240	9,517	38,350	.07	3,373	6,373	5,904	1,353	2,152	51	43
44	Lebanon.....	6,257	Township.....	6,402	16,476	61,175	.04	3,441	6,250	5,733	1,439	1,913	60	44
45	Hartford City.....	6,133	Township.....	2,498	13,278	41,929	.08	2,551	3,276	2,755	240	1,330	39	45
46	Portland.....	5,958	Township.....	2,291	2,073	36,066	.055	3,841	4,728	3,867	872	1,182	38½	46
47	Linton.....	5,845	None.....	3,536	4,654	32,072	.08	1,832	2,081	2,119	346	934	48	47
48	Rushville.....	5,498	None.....	2,406	6,166	36,103	.03	2,421	2,949	2,323	629	1,368	49	48
49	Warsaw.....	5,478	Township.....	4,044	9,030	42,152	.10	7,020	9,852	7,698	1,117	*1,884	66	49
50	Bluffton.....	5,395	None.....	2,943	12,308	45,749	.05	3,028	3,739	3,739	642	1,762	69	50
51	Kendallville.....	5,369	None.....	3,119	7,147	26,799	.10	3,633	4,383	3,550	486	1,600	48	51
52	Greensburg.....	5,245	None.....	2,402	9,200	40,216	.06	3,910	4,071	3,732	922	1,500	72	52
53	Mt. Vernon.....	5,284	Township.....	1,671	9,269	31,229	.06	1,496	2,513	3,682	713	1,475	51	53
54	Franklin.....	4,909	Townships, 3.....	3,078	10,123	56,350	.06	3,884	7,649	7,260	1,503	2,617	76	54
55	Martinsville.....	4,895	Township.....	3,078	9,344	40,694	.06	1,627	3,654	3,630	642	1,567	72	55
56	Garrett.....	4,796	Township.....	2,197	4,984	27,637	.095	3,108	4,007	2,541	405	720	42	56
57	Decatur.....	4,762	Township.....	3,673	.....	24,623	.05	4,133	5,875	5,445	747	1,200	57	57
58	Noblesville.....	4,768	Township.....	3,764	11,577	55,204	.06	3,882	8,875	7,070	1,651	2,487	72	58
59	Auburn.....	4,650	Township.....	2,503	5,848	33,478	.045	3,248	4,722	5,323	1,058	1,475	60	59
60	Tipton.....	4,507	Township.....	2,546	10,726	46,258	.05	1,860	3,030	3,362	1,137	1,248	48	60
61	Sullivan.....	4,489	Township.....	2,351	5,774	29,344	.05	2,541	3,797	3,239	357	1,001	39	61
62	Boonville.....	4,451	Township.....	2,116	6,214	50,918	.07	2,549	5,023	5,392	583	1,650	45	62
63	Plymouth.....	4,338	Townships, 3.....	3,010	8,517	50,300	.045	2,452	5,791	5,057	1,205	2,185	70	63
64	Aurora.....	4,299	Township.....	2,241	6,781	26,549	.07	2,317	2,498	2,301	824	922	42	64
65	Alexandria.....	4,172	Township.....	1,966	6,186	35,859	.09	1,840	3,470	2,711	714	1,078	63½	65
66	Greenfield.....	4,168	Township.....	3,326	10,372	26,920	.03	2,061	4,187	3,464	987	1,584	66	66
67	Tell City.....	4,086	None.....	858	4,130	16,541	.07	2,009	2,141	1,958	504	734	30	67
68	Winchester.....	4,021	None.....	3,646	7,341	30,016	.05	2,198	7,303	1,638	501	625	42	68

*Report for less than a year. (1) Includes township receipts. (2) Township inadequate signifies a tax rate of less than 2 cents.

†Not yet open.

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION—Continued

City or Town	Population of City or Town	Township or County Support (2)	Number of Borrowers	Total Number of Volumes	Circulation	Town Tax Rate	Income from Town	Total Income	Total Expenditure	Books and Magazine Expenditure	Salaries of Library Staff	Hours Open Per Week
69 Jasonville.....	3,925	None.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	69
70 West Lafayette.....	3,830	None.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70
71 Greencastle.....	3,780	Township.....	367	12,680	20,030	.04	3,983	(1) 4,602	5,000	284	2,080	71
72 Rochester.....	3,720	County, 5 townships..	3,986	8,598	32,080	.04	1,716	10,411	10,512	2,374	3,417	72
73 Columbia City.....	3,499	Townships, 4.....	1,790	12,447	37,366	.05	2,422	6,013	10,512	1,362	2,124	73
74 Lawrenceburg.....	3,466	Townships, 2.....	1,591	6,508	28,373	.04	2,029	3,562	3,318	653	1,440	74
75 Union City.....	3,404	None.....	1,383	6,257	27,040	.08	1,627	1,627	3,181	262	626	75
76 Attica.....	3,392	Township.....	2,865	7,416	15,671	.09	1,803	2,690	2,532	622	742	76
77 Huntingburg.....	3,261	Township.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77
78 Crown Point.....	3,232	Townships, 2.....	2,066	7,306	25,490	.05	2,124	3,813	3,608	1,158	1,134	78
79 North Vernon.....	3,074	County, 11 twps, all..	3,416	4,884	51,290	.04	5,770	9,479	9,479	1,762	2,841	79
80 Mitchell.....	3,025	Township.....	2,059	3,351	24,946	.10	1,207	3,283	3,505	406	736	80
81 Rensselaer.....	2,912	Township.....	2,825	12,511	22,175	.045	1,931	4,960	3,412	810	1,200	81
82 Gas City.....	2,870	Township.....	1,043	3,810	23,156	.10	1,900	5,368	5,367	692	1,142	82
83 Salem.....	2,826	Township.....	1,349	8,526	28,020	.10	1,609	5,543	2,667	505	660	83
84 North Manchester.....	2,711	Township.....	2,422	4,738	19,363	.04	1,670	3,505	2,611	750	1,080	84
85 Nappanee.....	2,678	Townships, 3.....	1,295	2,534	25,857	.05	2,075	3,475	3,480	1,126	1,403	85
86 Angola.....	2,650	Township.....	2,338	5,406	28,969	.05	1,703	2,219	1,701	511	432	86
87 Rockport.....	2,581	Township.....	1,903	3,560	18,155	.02	961	2,190	1,701	511	432	87
88 Monticello.....	2,536	Township.....	2,904	6,148	17,299	.006	2,361	3,427	2,735	575	506	88
89 Dunkirk.....	2,532	None.....	1,490	2,632	11,608	.05	1,014	1,071	2,735	556	1,035	89
90 *Edinburg.....	2,376	None.....	632	917	7,680	.06	.....	382	525	379	360	90
91 Montpelier.....	2,297	Township.....	1,662	9,145	21,530	.07	1,181	2,582	2,353	65	138	91
92 Oakland City.....	2,270	Township.....	1,792	2,408	19,741	.10	1,433	2,479	1,192	365	1,200	92
93 Brookville.....	2,155	Townships, 2.....	2,088	4,608	21,189	.035	1,636	2,550	2,749	674	1,015	93
94 Fairmount.....	2,120	None.....	.....	.....	.....	.01	.....	198	.....	.....	.....	94
95 Delphi.....	2,087	Township inadequate..	1,214	7,003	19,068	.08	1,719	2,971	2,871	333	767	95
96 Spencer.....	2,066	Townships, 3.....	1,710	5,429	19,902	.10	1,864	3,618	2,235	681	906	96
97 Ligonier.....	2,037	Township.....	1,000	6,625	32,989	.06	2,300	3,882	3,694	562	1,206	97
98 Cameton.....	2,008	None.....	.....	.....	.....	.02	257	271	270	125	132	98
99 French Lick.....	1,980	Township.....	800	1,198	9,534	.05	1,910	(1) 1,986	2,177	718	158	99
100 Rockville.....	1,968	Township.....	1,590	4,589	19,297	.07	838	1,626	1,888	402	702	100

101	Cambridge City	1,963	Townships, 2	58,942	07	1,179	4,231	4,142	1,028	1,709	43½	101
102	Corydon	1,945	Township	4,422	04	978	1,947	2,017	488	30	102	102
103	Corydon	1,918	None	15,791	10	2,177	2,682	2,636	660	36	103	103
104	Greenwood	1,907	Township	13,014	05	1,549	1,677	1,555	433	600	54	104
105	Greenwood	1,872	Township	12,334	10	1,331	2,569	1,561	261	900	30	105
106	Worthington	1,853	Township	21,404	06	1,563	1,663	1,633	349	606	31½	106
107	Corydon	1,785	Township	18,245	07	1,189	2,171	2,256	299	873	42	107
108	Mooresville	1,781	Townships, 2	17,086	10	1,424	3,754	3,564	478	875	42	108
109	Sherridan	1,761	Township	22,437	06	891	2,690	3,000	765	806	40	109
110	Butler	1,745	Twp., 4, inadequate.	13,432	03	1,000	1,676	1,676	329	740	42	110
111	Danville	1,729	Township	21,135	08	1,641	3,619	3,830	1,112	910	48	111
112	Winamac	1,694	Township	13,956	10	1,226	2,174	1,650	285	720	33	112
113	Lagrange	1,610	Townships, 2	17,733	05	1,184	2,596	2,764	493	739	18	113
114	Scottsburg	1,609	County, 5 twps., all.	24,021	01	.....	3,190	5,162	872	833	18	114
115	Knox	1,577	Township	9,447	03	520	1,069	837	291	232	15	115
116	Brownstown	1,554	None	13,391	05	278	291	356	42	156	21	116
117	Paoli	1,520	Township	11,429	07	803	1,529	1,134	368	360	18	117
118	Warren	1,520	Township	17,102	06	693	1,813	2,063	344	450	13	118
119	Fowler	1,442	County, 7 townships	35,508	04	835	5,920	6,079	1,620	1,986	48	119
120	Flora	1,441	Township	11,879	06	1,000	1,740	1,698	551	600	36	120
121	Thorntown	1,422	Township	12,399	09	1,012	2,631	2,729	293	592	41	121
122	Rising Sun	1,411	County, 4 twps., all.	18,171	07	1,274	2,923	2,394	313	1,105	32	122
123	Oreans	1,408	Township	15,782	10	678	1,370	1,416	268	300	32	123
124	Plainfield	1,373	Townships, 2	48,186	06	895	3,832	3,461	555	1,391	63	124
125	Monon	1,357	Township	15,138	05	549	2,154	1,623	262	600	36	125
126	Fort Branch	1,339	Township	13,025	03	301	2,061	1,598	460	360	28	126
127	Newburgh	1,295	Township	12,187	05	800	2,680	1,848	475	696	28	127
128	Liberty	1,292	County, 6 townships	32,761	025	401	3,838	4,266	806	1,666	44	128
129	Kentland	1,284	Township inadequate.	14,715	05	906	2,346	2,346	520	680	42	129
130	Paidleton	1,244	Township	14,996	05	822	.....	2,651	694	900	34	130
131	Hagerstown	1,238	Township	15,933	03	485	1,354	1,232	414	290	16½	131
132	Owensville	1,239	Township inadequate.	19,543	045	544	1,951	2,078	753	682	36	132
133	Dugger	1,226	None	14,800	07	1,031	2,716	2,501	526	980	49½	133
134	Fortville	1,213	Township	13,730	05	567	2,824	2,673	584	745	42	134
135	Lowell	1,197	Townships, 2	985	07	4,660	7,837	7,784	387	75	19½	135
136	North Judson	1,189	Township	43,958	07	656	5,411	5,283	1,484	1,438	30	136
137	Vevay	1,175	County, 6 twps., all.	7,608	06	746	1,603	1,365	261	510	30	137
138	Waterloo	1,172	Township	8,052	06	923	1,889	1,684	471	480	36	138
139	Syracuse	1,171	Township	7,915	04	487	790	680	245	231	15	139
140	Greentown	1,163	Township inadequate.	1,476	04	.....	.....	.....	.....	.....	.....	140

*Report for less than a year.

†Not yet open.

(1) Includes township receipts.

(2) Township inadequate signifies a tax rate of less than 2 cents.

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION—Continued

City or Town	Population of City or Town	Township or County Support (2)	Number of Borrowers	Total Number of Volumes	Circulation	Town Tax Rate	Income from Town	Total Income	Total Expenditure	Books and Magazine Expenditure	Salaries of Library Staff Per Week	Hours Open Week
141 Albion.....	1,142	Townships, 3.....	1,710	5,806	30,991	.03	345	1,866	1,623	324	600	38
142 New Harmony.....	1,120	None.....	804	23,655	31,612	.....	.....	7,000	5,378	753	1,900	66
143 Goodland.....	1,120	None.....	549	2,750	8,560	.055	1,018	1,121	848	196	363	30½
144 Osgood.....	1,033	Township.....	601	3,190	7,141	.06	632	1,231	1,181	68	372	48
145 Williamsport.....	1,038	Township.....	1,002	2,439	5,784	.06	688	1,639	1,133	340	376	36
146 Culver.....	1,080	Township.....	1,427	3,525	8,977	.06	675	2,003	1,502	229	429	30
147 South Whitley.....	1,074	Townships, 2.....	1,191	4,630	20,033	.06	948	2,606	2,782	709	770	27
148 Brownsburg.....	1,033	Townships, 2.....	1,017	3,861	13,129	.035	445	2,063	2,185	389	600	42
149 Converse.....	1,049	Township.....	831	3,256	14,509	.04	415	1,474	1,513	414	660	42
150 Remington.....	1,014	Township.....	960	4,565	12,931	.04	1,692	(1)	1,922	310	480	42
151 Ridgeville.....	1,042	None.....	615	2,541	9,021	.05	585	684	666	174	260	18
152 Shoals.....	1,034	Townships, 2.....	1,096	3,532	9,785	.10	764	2,006	1,732	244	519	38
153 Walkerton.....	1,031	None.....	576	2,119	4,804	.05	484	510	524	144	240	15
154 Pierceton.....	1,018	Townships, 2.....	649	1,699	9,943	.02	323	1,650	1,256	445	444	40
155 Ladoga.....	1,010	Townships, 2.....	1,211	3,988	22,276	.08	1,010	5,247	5,238	1,397	1,014	27
156 Odon.....	985	Township.....	740	2,124	10,446	.05	449	981	1,048	650	254	11
157 Brook.....	975	Townships, 2.....	1,828	3,500	14,699	.06	830	2,674	1,911	426	852	33
158 Carlisle.....	973	Township.....	1,391	3,179	11,933	.03	299	1,899	2,204	170	695	38
159 Zionsville.....	957	Township.....	472	2,202	5,867	.01	529	(1)	531	397	45	18
160 Oxford.....	953	Township.....	946	3,426	19,941	.05	664	3,733	2,778	797	825	30
161 Akron.....	930	Township.....	664	3,441	10,335	.06	4,138	(1)	3,980	730	570	30
162 Centerville.....	917	Township inadequate.....	500	1,700	3,124	.03	60	60	.....	.....	.....	162
163 Churubusco.....	916	Township.....	819	2,649	11,717	.04	385	810	692	226	234	16
164 Carthage.....	902	Township.....	883	6,135	18,075	.02	200	1,784	1,576	220	800	34
165 Royal Center.....	900	Township.....	884	2,503	10,755	.05	554	1,714	1,815	443	796	42½
166 Lynn.....	898	Township inadequate.....	588	1,039	8,346	.0125	127	275	255	188	.....	6
167 Posville.....	881	Township.....	364	2,282	9,787	.06	141	827	705	393	180	9
168 Boswell.....	880	Township.....	652	2,375	8,581	.10	616	1,564	1,577	187	540	30
169 Roachdale.....	876	Township.....	806	3,205	13,841	.06	1,709	(1)	1,835	285	456	42
170 Van Buren.....	861	Township.....	990	.....	.....	.....	244	1,936	1,258	378	600	30
171 Hebron.....	832	Townships, 2.....	551	1,604	12,340	.07	1,666	2,760	3,512	245	547	20
172 Darlington.....	823	Township.....	711	3,726	12,701	.05	426	2,664	1,992	490	946	33
173 Charlestown.....	820	Township.....	468	2,676	6,560	.03	180	(1)	1,566	54	419	45
174 Brookston.....	815	Township.....	1,082	2,293	11,985	.08	1,550	(1)	1,956	277	614	42
175 Milford.....	811	Townships, 2.....	811	3,665	8,455	.....	409	1,881	1,935	438	620	35½

176	Roanoke.....	760	None.....	204	1,316	.....	06	167	173	332	115	144	12	176
177	Fremont.....	729	None.....	.....	3,756	.....	03	249	2,270	.....	.....	.....	48	177
178	Walton.....	713	Township.....	1,048	.....	12,240	06	603	3,669	2,074	219	720	42	178
179	Otterbein.....	702	Townships, 2.....	745	1,849	10,831	03	274	274	335	265	940	2	179
180	Porter.....	699	None.....	468	1,956	3,275	02	.....	.....	.....	.....	120	2	180
181	Kewanee.....	695	Township.....	753	3,179	9,594	045	438	862	1,159	273	307	30	181
182	Kirklin.....	695	Township.....	747	2,900	6,719	045	810	2,624	1,701	397	401	22	182
183	Grandview.....	689	Township.....	367	1,874	6,078	06	978	992	1,047	288	390	42	183
184	Atlanta.....	678	Township.....	1,529	5,202	25,809	10	586	3,262	2,802	1,112	850	42	184
185	Mentone.....	678	Township.....	1,095	2,377	8,636	02	187	1,671	1,080	286	309	30	185
186	Milroy.....	669	Township.....	573	2,725	.....	01	793	793	.....	.....	.....	40	186
187	Swazee.....	650	Township.....	598	1,813	10,023	05	434	2,275	1,798	156	220	48	187
188	Francisville.....	648	Township.....	623	2,130	12,386	01	712	2,796	2,469	502	517	27	188
189	Pennville.....	646	Township inadequate.....	360	1,600	2,465	01	339	(1)	324	83	160	20	189
190	West Lebanon.....	637	Township.....	662	2,867	8,904	05	1,207	1,229	1,375	450	500	36	190
191	Dublin.....	630	None.....	262	3,803	7,447	08	263	370	398	198	100	4	191
192	New Carlisle.....	609	Township inadequate.....	726	2,304	7,711	015	99	1,010	972	191	490	29	192
193	Carmel.....	598	Townships, 2.....	1,673	4,307	12,867	05	434	2,460	2,012	483	515	41	193
194	Waveland.....	590	Township.....	1,002	3,592	16,356	08	409	3,060	2,608	670	854	33	194
195	Kingman.....	578	Township inadequate.....	711	1,463	5,738	03	190	671	764	197	285	14	195
196	Westfield.....	574	Township.....	1,552	3,723	13,196	06	230	2,235	2,183	660	500	45	196
197	*Bristol.....	568	Township.....	262	3,000	6,975	05	.....	85	.....	.....	.....	91½	197
198	Colfax.....	558	Township.....	620	1,737	10,051	03	235	1,331	1,491	154	750	32	198
199	*Linden.....	555	Township.....	211	1,797	1,175	075	115	1,568	4,806	941	219	34½	199
200	Earl Park.....	542	Township.....	667	3,101	12,682	05	853	3,535	3,746	285	1,020	39	200
201	Coatsville.....	522	Township.....	1,023	4,096	16,657	08	659	2,334	2,281	638	606	24	201
202	Merion.....	503	Township.....	982	2,027	6,407	.....	923	.....	1,212	248	455	18	202
203	Roann.....	414	Township.....	204	1,950	5,906	06	222	1,107	1,290	227	356	28	203
204	Westville.....	408	Township.....	439	3,652	7,932	03	107	1,508	1,271	265	580	22	204
205	Stilesville.....	357	Township.....	333	3,803	5,974	.....	450	(1)	345	94	250	15	205
206	Borden.....	323	Township.....	406	1,514	3,118	03	162	(1)	317	115	150	12	206
207	Nashville.....	323	County, 5 twps., all.....	966	3,339	9,364	05	10	833	960	119	517	28	207
208	Orland.....	322	Township.....	.....	2,793	3,597	05	73	103	645	123	180	13	208
209	Monterey.....	304	Township.....	668	3,445	9,592	03	63	876	1,065	392	440	36	209
210	Moscow (Milroy R. F. D.).....	145	Township.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	210	210
211	Avon (Danville R. F. D.).....	125	Township.....	600	1,676	7,745	025	810	(1)	1,571	711	621	42	211
TOTAL.....		*2,039,664	294 Townships	685,544	2,198,190	9,116,279	.....	.....	\$1,411,197	\$1,322,918	.....	.....	.....	.....

*Report for less than a year.
 †Not yet open.
 (1) Includes township receipts.
 (2) Township inadequate signifies a tax of less than 2 cents.

(3) See next page.

COMPARATIVE STATISTICS, 1921—1922

	1921	1922	Gain	Gain per Cent.	
(3) Population served.....	2,006,266	2,039,698	33,432	1.6%	Circulation per capita..... 3.11
Town, public libraries.....	1,002,000	1,608,619	6,619	.4%	Circulation per borrower..... 13.3
Association libraries.....	9,306	11,905	2,600	27%	Per cent total population borrowers..... 28%
Rural.....	394,851	419,174	24,323	.....	Per cent total population served..... 70%
Borrowers.....	582,591	685,544	103,000	17%	
Circulation.....	8,028,120	9,116,279	1,088,159	13%	
Volumes.....	2,016,409	2,198,190	181,781	9%	
Total population of Indiana.....	2,930,390				

REFERENCE AND INSTITUTIONAL LIBRARIES

City or Town	Institution	Date Organized or Reference or Circulation	Cost of Building	Source of Building Fund	Total Income	Book Expenditure	Total Number of Volumes	Volumes Added in Year	Periodicals Received	Total Circulation	Librarian	Number of Assistants
1 Anderson	High School	1918 Both	School				2,474	14	30	464	Lois M. Ringo	.....
2 Angola	Tri-State College	1884 Both	College				4,235	320			Mrs. Winifred Waugh	.....
3 Arlington	High School	1919 Ref.	School				1,437		1		Marion Tiesworth	.....
4 Bloomington	High School	Ref.	School		\$1,238	\$450	4,250	342	2		Mrs. E. E. Ramsey	.....
5 Bloomington	Indiana University	1820 Both	\$100,000	Legislature	47,450	16,712	148,750	7,502	1,000		W. A. Alexander	9 & students
6 Columbus	High School	1921 Both	School				3,800	985	25		Alma Davis	.....
7 Crawfordville	Wabash College	1832 Both	School			1,227	58,940	2,133	150		Harry S. Wedding	1
8 Culver	Military Academy	1890 Both	School	30,000	5,750	2,172	8,013	955	61	2,000	Mrs. G. R. Phinney	Student
9 Danville	Central Normal College	1876 Ref.	School				3,487	187	15		C. A. Hargrave	.....
10 East Chicago	Central High School	1922 Ref.	School				1,700	500			Ruth Lucas	.....
11 Evansville	Central High School	1911 Both	School		2,250	516	4,625	245		10,700	Margaret McLeish	Students
12 Evansville	Evansville College	1919 Both	College		5,500	2,000	8,441	1,757	90	6,888	Johanna Klingholz	1 & students
13 Evansville	F. J. Reitz High School	1921 Ref.	School				729	379	22		Bernice Johns	.....
14 Evansville	Law Library	1902 Ref.										.....
15 Evansville	Southern Hospital for Insane	1891 Ref.										.....
16 Ferdinand	Immaculate Conception Convent	1900 Ref.	50,000		190	140	4,495	130	20	325	Sister M. Augusta	.....
17 Fort Wayne	Allen County Law Library Association	1900 Ref.	County									.....
18 Fort Wayne	Concordia College	1837 Circ.	College									.....
19 Fort Wayne	High School	1917 Both	School			4,330		304	32	25,124	Leta Perry	.....
20 Fort Wayne	Indiana School for Feeble- Minded Youth											.....
21 Fort Wayne	South Side High School	1907 Circ.	School				1,089	1,089	45		Margaret M. Shulze	1
22 Frankfort	High School	1922 Both	School									.....
23 Franklin	Franklin College	1872 Both	College	28,500	5,023	1,205	23,826	938	159		Rachel Ogle	Students
24 Goshen	Goshen College	1894 Ref.	College									.....
25 Greencastle	DePauw University	1840 Ref.			3,250	802	54,736	890	178	17,000	F. C. Tilden	1 & students
26 Greensburg	High School	1900 Ref.	School	55,000							Mrs. Margaret Bussell	.....
27 Hammond	High School	1917 Both	School				1,607		29		Dorothy Finney	1
28 Hanover	Hanover College	1837 Both	School	28,000								.....
29 Howe	Howe School	1884 Ref.	School				678		16		Florence Weiford	.....
30 Huntington	High School	1918 Both	School									.....
31 Huntington	Huntington College											.....
32 Indianapolis	Butler College	1901 Both	45,000	E. C. Thompson							M. D. Baumgartner	.....

33	Indianapolis.....	Central Indiana Hospital for Insane	1846 Both		1,400	400	5,300	250	55	Willis Holdman, Ch.	1
34	Indianapolis.....	Indiana Central College	1905 Ref.	College							
35	Indianapolis.....	Indiana Girls School	1907 Circ.	School			1,500			James M. Rohbach, Dean	2
36	Indianapolis.....	Indiana Law School	1894 Ref.	School	12,000	83				Jessie P. Boswell	3
37	Indianapolis.....	Indiana Legislative Reference	1907 Both	State House			75,000	350	25	Charles E. Edwards	1
38	Indianapolis.....	Indiana Law Library	1867 Ref.	State House			6,073		10	George S. Wilson, Supt.	13
39	Indianapolis.....	Indiana School for Blind	1847 Ref.	School			95,234	3,481	281	Demarehus C. Brown	
40	Indianapolis.....	Indiana State Library	1825 Both	State House	40,000	8,383	5,000			Mrs. O. M. Fittinger	
41	Indianapolis.....	Indiana School for Deaf	1844 Both	School							
42	Indianapolis.....	Indiana University, School of Medicine	1909 Ref.	School			1,519		105	Ethel G. Cosner	1
43	Indianapolis.....	Indiana Woman's Prison	1873 Circ.	Prison			22,656	656	10	Mrs. P. L. Wolfe	
44	Indianapolis.....	Indianapolis Bar Association	1878 Both	Court House							
45	Indianapolis.....	Indianapolis Normal College of Gymnasies	1907 Both	College			1,485	35	11	Dorothea Herrman	
46	Indianapolis.....	Jewish Communal Union	1915 Circ.	Jewish Settlement							
47	Indianapolis.....	John Herron Art Institute	1907 Ref.	Art Institute	1,432	40	2,187	112	13	Anna E. Turrell	
48	Indianapolis.....	Manual Training High School	1895 Both	School			5,852	823	40	Pearl Durst	
49	Indianapolis.....	St. Agnes Academy	1899 Ref.	School							
50	Indianapolis.....	Shortridge High School	1915 Ref.	School			6,146	139	48	Mrs. Nell R. Sharp	1
51	Indianapolis.....	Teacher's College	1882 Both	School			8,515	128	74	Edith M. Fountain	1
52	Indianapolis.....	Technical High School	1914 Both	School			6,568	3,602	63	Lyle Harter	1
53	Indianapolis.....	Tudor Hall	1902 Ref.	School							
54	Jeffersonville.....	Indiana Reformatory	1906 Both	Reformatory			9,373	13	62	Levi H. Scott, Supt.	7
55	Knightstown.....	Indiana Soldiers' and Sailors Orphans Home	Both	School							
56	Lafayette.....	Indiana State Soldiers Home	1896 Both								
57	Lafayette.....	Purdue University	1874 Both	School	21,500	4,130	60,000	2,390	500	William M. Hepburn	6
58	Lebanon.....	High School	1909	School							
59	Logansport.....	Northern Hospital for Insane	Both	Hospital						Samuel Dodds, Supt.	
60	Marion.....	High School	Ref.	School			4,107	386	33	Mildred C. Strieler	
61	Marion.....	Marion College	1859 Both	College							
62	Michigan City.....	Indiana State Prison	Both	School			1,966	44	25	Carolyn Immel	
63	Mishawaka.....	High School	1914 Both	School			4,100	3,968	16	H. A. F. Kern	
64	Mulberry.....	Weidner Institute	1903 Ref.	School						June Jones	
65	Muncie.....	High School									
66	Muncie.....	Indiana State Normal School, Eastern	1918 Both	School			3,320	8,146	2,034	Barcus Tichenor	1
67	Newcastle.....	Indiana Village for Epileptics	1909 Circ.								
68	North Madison.....	South Eastern Hospital for Insane	Both	Hospital							
69	North Manchester.....	Manchester College	1895 Ref.	College			9,400	1,224	92	Olive Miller	Students
70	Notre Dame.....	Notre Dame University	1873 Both	College			115,578	4,011	627	Rev. Paul J. Folk	6
71	Notre Dame.....	St. Mary's College	1865 Ref.	College			250,000			Sister M. Edith	
72	Oakland City.....	Oakland City College	1890 Both	College			15,065	352	74		

*Branch of Public Library.

†Township Library under law of 1889 but serves only school.

REFERENCE AND INSTITUTIONAL LIBRARIES—Continued

City or Town	Institution	Date Organized	Reference or Circulation	Cost of Building	Source of Building Fund	Total Income	Book Expenditure	Total Number of Volumes	Volumes Added in Year	Periodicals Received	Total Circulation	Librarian	Number of Assistants
73 Oldenburg.....	Immaculate Conception Academy.....	1851 Ref.	School.....	School.....	.....	.....	.....	6,800	200	4	.....	R. S. McCullough.....	2
74 Plainfield.....	Indiana Boys' School.....	1906 Both	School.....	.....	.....	.....	.....	27,350	1,350	130	.....	Harlow Lindley.....	1
75 Richmond.....	Earham College.....	1847 Ref.	School.....	38,000	Carnegie.....	.....	.....	5,787	2,246	30	.....	Florence Ratliff.....	1
76 Richmond.....	Morton High School.....	1910 Ref.	School.....	.....	.....	.....	.....	1,000	450	14	.....	Helen Albright.....	.....
77 Richmond.....	Eastern Hospital for Insane.....	1892 Circ.	Hospital.....	.....	.....	.....	.....	23,550	3,068	124	.....	Sister M. Providentia.....	4
78 Rockville.....	Indiana State Sanatorium.....	1911 Both	Sanatorium.....	.....	.....	.....	.....	25,000	.....	.....	.....	Rev. Paul Thomas.....	.....
79 St. Marys.....	St. Mary of the Woods College.....	1841 Both	College.....	.....	.....	.....	.....	.....	.....	.....	.....	Mildred E. Blakely.....	.....
80 St. Meinrad.....	St. Meinrad's Abbey.....	1860 Ref.	Abbey.....	.....	.....	.....	.....	.....	.....	.....	.....	Sylvia Oakley.....	1
81 Shelbyville.....	High School.....	1919	School.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82 South Bend.....	High School.....	1917 Ref.	School.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83 South Bend.....	Studebaker Corporation.....	1909 Both	Administration Building.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84 Terre Haute.....	Indiana State Normal School.....	1870 Both	Building.....	.....	.....	.....	.....	.....	.....	.....	.....	Florence C. Fowler.....	1
85 Terre Haute.....	Rose Polytechnic Institute.....	1883 Both	School.....	130,000	State.....	26,927	6,934	90,705	4,167	425	73,351	Arthur Cunningham.....	5
86 Terre Haute.....	Wiley High School.....	1920 Both	School.....	.....	.....	.....	.....	16,244	169	100	.....	Albert A. Faurot.....	1
87 Upland.....	Taylor University.....	1893 Ref.	School.....	.....	.....	.....	.....	5,375	400	31	18,629	May C. Dodson.....	.....
88 Valparaiso.....	Valparaiso University.....	1881 Both	School.....	.....	.....	1,058	119	7,500	60	25	.....	Adaline E. Stanley.....	6
89 Vincennes.....	Vincennes University.....	1806 Ref.	School.....	.....	.....	1,400	882	22,118	726	96	49,689	Helen Kull.....	3
90 Merom.....	Union Christian College.....	1859 Both	School.....	.....	.....	1,728	328	5,450	231	38	898	Helen Stafford.....	2
												W. S. Alexander, Pres.....

REPORT OF THE INDIANA STATE LIBRARY

OFFICIAL ORGANIZATION

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NORRIS JESSUP, Copyist and Assistant.
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HARLOW LINDLEY, Director History and Archives Department.
ESTHER U. McNITT, Assistant Director.
M. MARGUERITE LEWIS, General Assistant and Stenographer.
N. D. MERENESS, Research Assistant.
GRACE NIXON, Secretary to the Librarian.
O. P. BOWMAN, Custodian and Shelf Assistant.
W. H. CALVERT, Janitor.

CREATION AND HISTORY

The Constitutional Convention of 1816, by resolution, recommended to the General Assembly the establishment of a State Library, but no legislative action was taken until 1825, when the Secretary of State was directed to act as librarian, the Governor, Secretary of State, Audi-

tor and Treasurer serving as a board of commissioners. This arrangement continued until 1841 when the library became a separate institution, the librarian being appointed by the legislature. In 1867 the law books were taken from the general collection and organized into the law library under the control of the supreme court. In 1895 the library was recognized as a part of the educational system of the state and placed under the control of a non-partisan body, the State Board of Education. Circulation of books in the early days was very much restricted and did not become general until 1903. The legislative reference department was organized in 1907 and became a separate bureau in 1913. The Department of Indiana History and Archives was created in 1913. Its specific duties are the collection and preservation of material relating to Indiana history.

DUTIES AND FUNCTIONS

The State Library is primarily a reference library. It has four main functions: To aid state officers in their official business; to distribute information to citizens of the state; to collect and preserve all Indiana material and documents of the United States and other states; to distribute Indiana documents. It is not, therefore, a library which contains current fiction or much popular reading of any sort.

Especial effort is made to serve state officials, particularly those bureaus and commissions the nature of whose work requires frequent reference to books. Their needs are consulted in the purchase of books and magazines, and suggestions from them as to additions are welcomed.

Until 1903 the foregoing duties were the chief ones of the State Library. In this year, however, a new and very important one was added when the law was passed allowing the books of the State Library to be loaned to all citizens of the state. Certain classes are necessarily restricted, but all ordinary books are circulated as freely as the books of any public library. Thus a new field of activity has been opened up, whose educational possibilities can scarcely be exaggerated. From a small beginning the work has gradually been extended until now books and magazines go from the State Library to every corner of the state.

For reference work the State Library serves as a court of higher appeal to the smaller public and college libraries that, with their limited resources, have difficulty in furnishing all the books now demanded by their readers. It also offers library facilities to individuals, schools and clubs who live in the country or in towns where no library exists. Loans are made through the libraries when possible, and direct to the individual if he has access to no library. All classes are reached except children under high school age. Women write for help not only on literary and art subjects, but frequently on household questions and care of children. Men are interested in professional or occupational subjects, engineering, blacksmithing, selling real estate, business management, to name only a few of the varied calls in this field. High school and college students keep us busy with requests for supplementary reading or for their debates on immigration, labor problems and other questions of the day. We try to answer all letters fully and promptly and

in cases where we do not have the required information, indicate, if possible, some other source which may be accessible to the writer. We are serving every county in the state.

SPECIAL COLLECTIONS

In general, the library has been most fully developed in the fields of history (particularly of the United States), sociology, political science, education, economics and technology. The literature, art and science departments, rather neglected in the earlier days because of the restricted use of the library, are added to as rapidly as funds permit and the calls justify. Lack of space and money forbid the purchase of much in all departments that we should have, but any attempt at completeness being thus denied, we aim at a well selected collection as a second best goal.

Its most notable collection is that on Indiana, by far the most nearly complete in existence, of material relating to Indiana or by Indiana writers. Reports, pamphlets, histories, newspapers, manuscripts, maps, pictures, etc., relating to the state, form a small library in themselves and contain many items which are exceedingly rare or even unique.

It also contains what is, except for some very early publications, practically a complete file of federal documents. These are classified and cataloged, and from an invaluable source of information, much of which is inaccessible elsewhere. These are not loaned but often references can be given so that the inquirer can secure the documents for himself. Reports of other states are sent in exchange for those of our own state and these are often very useful, particularly for information on natural resources, such as oil, gas and coal. Canadian and British documents are received regularly.

The State Library has the only collection of books for the blind that circulates generally. The majority of new purchases are now in the standard type, Revised Braille. The books are exceedingly expensive, but the cost is well justified by the appreciation of those who use them. One blind reader writes us: "If the enjoyment which I have had at the expense of the Indiana State Library were to turn into property, the library for the blind would be able to treble its capacity."

The library receives 116 newspapers, most of which are published in the state, each county being represented as far as possible, and 237 magazines covering various activities such as political science, technology, art, music, history, education, etc. In addition to these, the proceedings of national organizations and learned societies form an indispensable part of the reference material. The library of the Indiana Academy of Science has been cataloged and is kept as a separate unit on the shelves of the State Library. Its books are available for reference to any one but are loaned only to members of the academy.

We have collected and organized the nucleus of what will become, we hope, a good picture collection. It is confined entirely to art and for the present at least, we do not contemplate extending into other fields. It now consists of about nine hundred color reproductions of great paintings, mostly old masters but some modern. The reproductions are Medici, Seeman and museum prints, the last two of quite good size.

Both are extremely good in color. There are also some five hundred small black and white pictures, all of old masters. These pictures are loaned on the same terms as books. We hope that they will prove useful to clubs and schools.

REFERENCE DEPARTMENT

FOR THE YEAR OCTOBER 1, 1921, TO OCTOBER 1, 1922

Books circulated	20,360
Borrowers	10,992
Places	5,186
New registrations	692
Reference letters	1,323
Readers	10,939
Blind:	
Books circulated	769
Borrowers	654

DEPARTMENT OF INDIANA HISTORY AND ARCHIVES

An act approved March 6, 1913, concerning the organization of the departments of the State Library provided for the creation of a Department of Indiana History and Archives. This act provides that the Department of Indiana History and Archives shall have the following objects and purposes:

"1. The care and custody of official archives which come into the possession of the State Library; the collection of materials bearing upon the history of the state and of the territory included therein; the diffusion of knowledge in reference to the history of the state; the encouragement of historical work and research.

"2. The examination and classification of documents and records not of present day use to their respective departments.

"3. Co-operation with any of the educational institutions of the state in any manner approved by the State Librarian, with the consent of the library board."

The act also provides that "Any state, county, or other official is hereby authorized and empowered at his discretion, to turn over to the State Library for permanent preservation by the Department of Indiana History and Archives, any official books, records, documents, original papers, newspaper files and printed books and material, not in current use in his office."

The department, in co-operation with the Indiana Historical Commission, is giving special care to the collecting of war material as it concerns Indiana, and is securing all the available war records, pictures, etc., of the various counties of the state, and binding and preserving permanently all the original letters and papers dealing with any phase of Indiana's part in the world war.

The department has secured many valuable additions during the year by purchase and through gifts. These are mostly pamphlets, newspapers and manuscripts relating to Indiana.

The department is co-operating with the Indiana Historical Commission and the Department of Conservation in making an archaeological and historical survey of the state, and increasing demands are being made upon this department by research workers and students.

CATALOGING DEPARTMENT

REPORT FOR THE YEAR ENDING SEPTEMBER 30, 1922

Accessions		3,481
Pamphlets received		688
Volumes cataloged and added—		
Miscellaneous:		
Newspapers	196	
General works	357	
Philosophy	178	
Religion	622	
Sociology	1,937	
Philology	35	
Science	151	
Useful arts	718	
Fine arts	192	
Literature	248	
Description and travel	212	
Biography	144	
History	449	
	—	5,439
Federal documents		2,067
State documents		1,252
Foreign documents		391
Blind		80
		—
		9,229
Titles added		1,809
Analyticals		2,129
Revisions		1,056
Cards added		12,621
Sheets added		373

INDIANA ACADEMY OF SCIENCE

Volumes cataloged and added	338
Titles added	21
Analyticals	6
Number of volumes in library, 95,234.	

GIFTS AND DEPOSITS

A careful record of gifts and deposits is kept. While there are many, the number would be much larger if the state would provide more room.

STAFF POSITIONS

The merit system has long been established in the State Library. Rules and regulations under the law have been formulated by the State Library Board. These may be seen in the records.

NEWSPAPERS RECEIVED AT THE STATE LIBRARY

DAILY

Anderson Daily Bulletin.
 Bedford Daily Democrat.
 Bicknell News.
 Bloomington Evening World.
 Bluffton Banner.
 Boston Transcript.
 Brazil Daily Times.
 Chicago Tribune.
 Columbus Evening Republican.
 Crawfordsville Journal.
 Decatur Daily Democrat.
 Evansville Courier.
 Fort Wayne Journal-Gazette.
 Gary Evening Post.
 Goshen Daily Democrat.
 Huntington Herald.
 Indianapolis Daily Times.
 Indianapolis Commercial.
 Indianapolis News.
 Indianapolis Star.
 Kokomo Tribune.
 Lafayette Courier.

Laporte Argus.
 Logansport Pharos Tribune.
 Madison Courier.
 Marion Chronicle.
 Monticello Journal.
 Muncie Evening Press.
 Muncie Morning Star.
 New York Times.
 Peru Evening Journal.
 Plymouth Daily Pilot.
 Princeton Clarion-News.
 Princeton Democrat.
 Richmond Palladium.
 Rochester Sentinel.
 Rushville Republican.
 Seymour Republican.
 Shelbyville Democrat.
 Shelbyville Republican.
 South Bend Times.
 South Bend Tribune.
 Valparaiso Vidette.
 Wabash Plain Dealer.

SEMI-WEEKLY

Rensselaer—Jasper County Democrat

WEEKLY

Albion New Era.
 Angola Herald.
 Angola—Steuben Republican.
 Attica—Fountain-Warren Democrat.
 Benton Review.
 Bloomfield News.
 Boonville Standard.
 Brookville American.
 Brookville Democrat.
 Brown County Democrat.
 Carroll County Citizen-Times.
 Corydon Democrat.
 Corydon Republican.
 Covington Republican.
 Crawford County Democrat.
 Danville Republican.
 Franklin Democrat.
 Greensburg Standard.
 Hobart Gazette.
 Huntingburg Independent.
 Huntingburg Signal.
 Huntington—Our Sunday Visitor.
 Indianapolis—
 Columbian Record.
 Deutsch-Amerikanische Buchdrucker
 Zeitung.
 East Side News.
 Marion County Mail.
 National Enquirer.
 Silent Hoosier.

South Side News.
 Union.
 World.
 Jasper County Democrat.
 Jasper Courier.
 Jasper Herald.
 Kentland—Newton County Enterprise.
 Lake County Star.
 Lagrange Standard.
 Lawrenceburg Press.
 Lebanon Pioneer.
 Ligonier Banner.
 Monticello Herald.
 Mooresville Times.
 National Republican.
 New Harmony Times.
 North Judson News.
 North Vernon Sun.
 Orleans—Progress Examiner.
 Oxford Gazette.
 Paoli Republican.
 Peru Republican.
 Petersburg—Pike County Democrat.
 Plymouth Democrat.
 Plymouth Republican.
 Pulaski County Democrat.
 Rockport Democrat.
 Rockport Journal.
 Rockville Republican.
 Rockville Tribune.

WEEKLY—Continued

Rocky Mountain Herald.
Salem Democrat.
Salem Republican-Leader.
Shoals News.
Spencer—Owen County Democrat.
Starke County Democrat.
Tell City News.

Versailles Republican.
Vevay Reveille.
Vincennes Western Sun.
Waterloo Press.
Williamsport Pioneer.
Winchester Journal.

LIST OF PERIODICALS RECEIVED AT THE STATE LIBRARY

Addisonia.	Bulletin of Bibliography.
Americana.	Bulletin de la Societe Chimique.
American Anthropologist.	Bus Transportation.
American Antiquarian.	Business Digest.
American Catholic Historical Society	Century Magazine.
Record.	Chemical and Metallurgical Engineering.
American Child.	Christian Science Journal.
American City.	Collier's Weekly.
American Economic Association Publica-	Commerce Monthly.
tions.	Commercial and Financial Chronicle.
American Federationist.	Confederate Veteran.
American Forestry.	Consensus.
American Historical Review.	Contemporary Review.
American Journal of Archaeology.	Country Gentleman.
American Journal of International Law.	D. A. R. Magazine.
American Journal of Physiology.	Country Life.
American Journal of Public Health.	Cumulative Book Index.
American Journal of Sociology.	Current History Magazine.
American Journal of Theology.	Current Opinion.
American Labor Legislation Review.	Dearborn Independent.
American Legion Weekly.	Deutsch-Americanische Geschichtsblätter.
American Library Association Booklist.	Dial.
American Library Association Bulletin.	Drama.
American Magazine of Art.	Eagle Magazine.
American Naturalist.	Earlham Press.
American Political Science Review.	Edinburgh Review.
American Society of Civil Engineers—	Education.
Monthly Transactions.	Educational Issues.
American Statistical Association Publica-	Educational Monographs.
tions.	Educational Review.
Annales de l'Institute Pasteur.	Educator-Journal.
Annals of the American Academy of	Electric Railway Journal.
Political and Social Science.	Electrical World.
Annals of the Entomological Society of	Elementary School Journal.
America.	Engineering and Contracting.
Architectural Record.	Engineering and Mining Journal.
Army and Navy Register.	Engineering News-Record.
Art and Archaeology.	Engineering World.
Arts and Decoration.	English Journal.
Asia.	Essex Institute Historical Collections.
Association Men.	Farm Life.
Atlantic Monthly.	Foreign Affairs.
Automotive Industries.	Forum.
Bankers' Magazine.	Gas Age Record.
Better Roads.	Genealogy.
Bookman.	Good Government.
Book Review Digest.	Gospel Trumpet.
Botanical Abstracts.	Harper's Magazine.
Botanical Gazette.	Heating and Ventilating Magazine.
Breeders' Gazette.	Hendricks Commercial Register.
British Journal of Tuberculosis.	Hibbert Journal.

PERIODICALS RECEIVED—Continued.

- Historical Outlook.
 Hoard's Dairymen.
 Hoosier Legionaire.
 Hoosier Motorist.
 Independent.
 Indiana Farmer's Guide.
 Indiana Magazine of History.
 Indianapolis Medical Journal.
 Industrial Arts Index.
 Industrial Arts Magazine.
 Industrial Education Magazine.
 Industrial Management.
 International Studio.
 International Labor Office—Official Bulletin.
 Iowa Journal of History and Politics.
 Iron Age.
 Johns Hopkins Studies in History and Science.
 Journal of Accountancy.
 Journal of the American Chemical Society.
 Journal of American Folk-lore.
 Journal of American Genealogy.
 Journal of American History.
 Journal of the American Institute of Criminal Law and Criminology.
 Journal of the American Water Works Association.
 Journal of Bacteriology.
 Journal of Biological Chemistry.
 Journal of Economic Entomology.
 Journal of Educational Methods.
 Journal of Experimental Zoology.
 Journal of the Franklin Institute.
 Journal of Geology.
 Journal of Home Economics.
 Journal of the Indiana State Medical Association.
 Journal of Industrial and Engineering Chemistry.
 Journal of Industrial Hygiene.
 Journal of Infectious Diseases.
 Journal of Political Economy.
 Journal of Religion.
 Journal of the Society of Comparative Legislation.
 La France.
 Library Journal.
 Life.
 Literary Digest.
 Literary Review.
 Living Age.
 London Weekly Times.
 Magazine of History.
 Manual Training Magazine.
 Marine Biological Bulletin.
 Maryland Historical Magazine.
 Matilda Ziegler Magazine for the Blind.
 Mayflower Descendant.
 Mechanical Engineering.
 Mexican Review.
 Midland Naturalist.
 Missionary Review of the World.
 Mississippi Valley Historical Review.
 Missouri Historical Review.
 Municipal and County Engineering.
 Musical America.
 Musical Quarterly.
 Nation.
 National Academy of Sciences.
 National Education Association.
 National Enquirer.
 National Geographic Magazine.
 National Health Legislation.
 National Municipal Review.
 Nation's Health.
 New England Historical and Genealogical Register.
 New England Water Works Association Journal.
 New Republic.
 New York Genealogical and Biographical Record.
 New York Times Book Review.
 Nineteenth Century.
 North American Review.
 North Carolina Booklet.
 Official Guide.
 Open Road.
 Oregon Historical Society Quarterly.
 Our Boys.
 Outlook.
 Overland Monthly.
 Pan-American Union Bulletin.
 Pedagogical Seminary.
 Pennsylvania Magazine of History and Biography.
 Photodramatist.
 Playground.
 Poet Lore.
 Political Science Quarterly.
 Power.
 Public Libraries.
 Public Service Management.
 Public Utilities Reports.
 Public Works.
 Publishers' Weekly.
 Quarterly Journal of Economics.
 Radio Broadcast.
 Railway Age.
 Readers' Guide to Periodical Literature.
 Readers' Guide Supplement.
 Red Cross Courier.
 Review.
 Review of Reviews.
 Royal Society: Biological Proceedings.
 Royal Society: Mathematical and Physical Science Proceedings.
 School and Society.
 School Review.
 Science.

PERIODICALS RECEIVED—Continued.

Scientific American.	Tractor.
Scientific Monthly.	Tyler's Historical and Genealogical Magazine.
Scribner's Magazine.	United Business Service.
Sewanee Review.	United Mine Workers' Journal.
South American.	United States Bulletin.
South Atlantic Quarterly.	U. S. Investor.
South Carolina Historical and Genealogical Magazine.	Virginia Magazine of History and Biography.
Southwestern Historical Quarterly.	Visual Education.
Soviet Russia.	Wallace's Farmer.
Special Libraries.	Washington Historical Quarterly.
Spectator.	Wisconsin Archaeologist.
Standard Bond Offerings.	Woman Citizen.
Survey.	World Call.
System.	World's Work.
Tennessee Historical Magazine.	Yale Review.
Theatre.	
Theosophical Quarterly.	

FINANCIAL STATEMENT

The following is a statement of the receipts and disbursements of the State Library for the year ending September 30, 1922:

APPROPRIATIONS

Appropriations—Regular	\$35,000 00
Appropriations—Specific	5,000 00
Receipts aside from appropriations.....	12 20
	<hr/>
	\$40,012 20

DISBURSEMENTS

Salary of Librarian.....	\$2,500 00
Salaries in office department.....	4,020 00
Salaries in catalog department.....	6,276 00
Salaries in reference department.....	7,408 55
Indiana history and archives.....	4,743 50
Books and binding.....	8,383 13
Cabinets	174 24
Expense, supplies and distribution.....	1,370 42
Travel	86 40
Shelving (specific)	4,997 15
	<hr/>
Total	\$39,959 39
Balance	52 81

INDIANA LAW LIBRARY

CHARLES E. EDWARDS, Librarian.

RICHARD W. ERWIN, Assistant Librarian.

The Indiana Law Library had its beginning in an act passed by the legislature in the year 1867, providing separate rooms for the law books then in the State Library, placing them in the custody of the supreme court; authorizing the judges to make such purchases of books as they might think advisable, and make rules and regulations for the use of the library. The library at that time was small, and the books transferred to the court were very few in number, but its present

magnitude is a source of gratification to all who have been connected with the library in the past fifty-six years of its existence. The library is now estimated to contain about 75,000 volumes, from 300 to 500 volumes being added each year. The library is in constant use by attorneys and students from this and other states. As a law library it is considered one of the best in the middle west.

The members of the supreme court who have control and custody of the library at this time are: Hon. Julius C. Travis, Chief Justice; Hon. Benj. M. Willoughby; Hon. Louis B. Ewbank; Hon. Howard L. Townsend; Hon. David A. Myers.

REPORT OF THE INDIANA HISTORICAL COMMISSION

WARREN T. McCRAY, President.
SAMUEL M. FOSTER, Vice-President.
HARLOW LINDLEY, Secretary.

JAMES A. WOODBURN.
CHARLES W. MOORES.
MATTHEW J. WALSH.
MRS. JOHN N. CAREY.
LEW M. O'BANNON.
KATE MILNER RABB.

JOHN W. OLIVER, Director.
LUCY M. ELLIOTT, Assistant Director.

The Indiana Historical Commission was created by an act of the legislature, approved March 8, 1915. (Chapter 109, page 455.) The commission consists of nine members, not more than five (5) of whom shall be of the same political faith: Ex-officio members are the Governor, the director of the Indiana Historical Survey of Indiana University, and the director of the Department of Indiana History and Archives of the State Library. The additional six members are appointed by the Governor, one of whom is nominated by the Indiana Historical Society.

PUBLICATIONS

The act creating the Indiana Historical Commission provides that, among other duties, it shall collect, edit and publish documentary and other material relating to the history of Indiana. During the seven years of its existence the Historical Commission has devoted much of its time to this particular phase of state work. Although interrupted by the war, and handicapped by limited funds (the Indiana Historical Commission receives the smallest annual appropriation of any state in the Middle West), yet the publications produced during the brief lifetime of this commission compare favorably with those issued by any of our neighboring states during the last six or seven years.

CENTENNIAL PUBLICATIONS

Four publications relating to Indiana history were issued as a result of the state centennial celebration in 1916:

CONSTITUTION MAKING IN INDIANA (two volumes): By Dr. Charles Kettleborough of the Indiana Bureau of Legislative Information.

Volume One presents the historical background from the cession of the Northwest Territory to the United States, covers the Constitution of 1816 and the attempts at amendment up to 1850. Volume Two treats of the Constitution of 1850-1851 and the attempts to amend up to 1916. Copious and valuable notes are included in both volumes. The

Mississippi Valley Historical Review in referring to this publication, describes it as "an important contribution to American political institutions."

INDIANA AS SEEN BY EARLY TRAVELERS: By Harlow Lindley of Earlham College.

This volume contains selections from valuable diaries and documentary publications which give the impressions recorded by early travelers who visited in Indiana. The material contained in this volume is confined almost entirely to the letters, diaries, and journals, preceding the year 1830. The *Indiana Magazine of History* in speaking of this publication describes it as a collection of source material which presents a vivid picture of early Indiana. A brief account of the individual writers precedes the various journals contained in this volume.

THE PLAY PARTY IN INDIANA: By Leah Jackson Wolford.

This volume contains an interesting study of the play-party as a part of the folk customs of early Indiana pioneers. A large collection of games and songs, sung and played by the early settlers is contained in the volume. This publication has met with wide-spread interest and has received favorable comment from numerous critics. It is a distinct contribution to Indiana folk-lore history.

THE INDIANA CENTENNIAL (1916): Edited by Harlow Lindley.

This volume contains a complete account of the centennial celebrations, both state and county, that were held throughout Indiana during the centennial year of 1916. The centennial address of Governor Ralston, addresses made by the members of the Historical Commission, and copies of the three state pageants are included in full. The volume stands as a monument to the centennial workers, and will be the reference book for historical pageants and centennial celebrations held throughout the state in future years.

WORLD WAR PUBLICATIONS

Since 1919 the Historical Commission has devoted its chief efforts to the work of collecting, compiling, and publishing records relating to Indiana's part in the World War. Realizing the great importance of collecting these official records before they are lost, the commission, immediately following the signing of the armistice, turned its attention directly to this work. The most complete collection of war records ever assembled in Indiana has been the result of these efforts.

GOLD STAR HONOR ROLL

The first World War publication issued by the Historical Commission was the *Gold Star Honor Roll*. Three thousand three hundred and fifty-four (3,354) sons and fifteen (15) daughters from Indiana paid the supreme sacrifice in the World War—laid down their lives for their country's cause. The names, photographs, and brief biographies of these sons and daughters of Indiana have, by reason of this publication, been preserved for all time. By a special act of the legislature, one

copy of the *Gold Star Honor Roll* was presented as a gift of the state to every family who lost a son or daughter while in service. Also one copy has been placed in each public library of the state, and each college, normal school and university library has received a copy.

MARSHAL FOCH DAY

A second volume issued by the Historical Commission during the past year is the *Marshal Foch Day* publication. On November 4, 1921, Indiana was honored by the visit of Marshal Ferdinand L. Foch, commander of the allied armies during the closing days of the World War. The Indiana department of the American Legion, the city of Indianapolis, Marion County, and the State of Indiana, all united in receiving this distinguished visitor and accorded him a great patriotic welcome. The complete proceedings of that day's program, a report of all speeches and addresses, a review of the receptions, parades, dinners, dedication exercises, together with numerous illustrations, were collected and published as one of the volumes in Indiana's *World War Series*.

THE WAR PURSE OF INDIANA

The third volume relating to Indiana's part in the World War, issued by the Historical Commission, is entitled the *War Purse of Indiana*. It is a history of the five Liberty Loan campaigns and the War Savings and Thrift Stamp drives. Walter S. Greenough, director of publicity for the State of Indiana during the Liberty Loan campaigns, and a student of banking and finance, is the author of this volume. It is the first publication of its kind in the United States, and has been most favorably reviewed by bankers, economists, and historical students. Statistical records of every Indiana county and of the state at large in war financing are woven into a dramatic story of the spirit in Indiana which made possible the great total of war financing. In the stress of that great conflict, Indiana discovered for the first time its tremendous buying power, and poured forth a golden stream of wealth totalling \$500,000,000 into the war coffers of the nation. No historical publication has appeared in recent years that has had such a wide appeal to the people of Indiana. It is a history of the three million Hoosiers who helped to "win the war," and is of intense interest to every individual in the state.

A SERGEANT'S DIARY

Another volume of the *World War Series* will soon appear (the copy is now, December 1, 1922, in press), entitled *A Sergeant's Diary*. This volume consists of a diary kept by Elmer F. Straub, of Indianapolis, who was a member of the One Hundred and Fiftieth Field Artillery, Indiana's unit of the Forty-second (Rainbow) Division. The diary tells in an interesting manner the daily occurrences that happened to a man in the ranks, a record of the experiences of thousands of soldiers who fought in the battles of Chateau-Thierry, San Mihiel, Belleau Wood, and in the Argonne Forest. Of the personal war diaries now in the possession of the Indiana Historical Commission this one was selected as the most interesting and the most valuable from the standpoint of an historical narrative, of all those collected. Its appearance is awaited with interest.

GOVERNORS' MESSAGES AND LETTERS

A new series of publications was undertaken during the past year by the Historical Commission, relating to the "Messages and Letters" of Indiana Governors. This series beginning with the messages and letters of William Henry Harrison, first Territorial Governor of Indiana, will be carried on down to the present day, and will contain all the important papers, proclamations, and correspondence of all Indiana Governors. As a background for Indiana history they will, when brought down to date, be regarded as one of the most valuable sources in existence.

Volume One, consisting of the messages and letters of William Henry Harrison, edited by Dr. Logan Esarey of Indiana University, was published during the past year. Volume Two is now in press, and will be ready for distribution within a short time. These first volumes, containing as they do the official papers of the early Governors of Indiana are of fundamental value to every student of our state's history. In fact, no adequate study can be made of the early history of Indiana or the old Northwest Territory without consulting these pages. *They are the source material for that period of Indiana history.* And every student or writer who desires a correct picture of our territorial days will necessarily have to draw upon these old documents in order to obtain a background for the state's growth during the first century of its existence.

INDIANA BIOGRAPHICAL SERIES

Another series of publications undertaken by the Historical Commission during the past year is a biographical study of Indiana's great men and women. Be it said to the shame of Indiana, an entire century has passed without our state having taken any definite or official action in the great work of writing and preserving the life histories of her founders and builders. No other neighboring commonwealth has so shamefully neglected to pay honor to their pioneer settlers. Indiana boasts of many great men and women. We speak proudly of their achievements. But we have not as yet manifested enough interest in their careers or their accomplishments to write their biographies and make them available to the citizenship of the state. This is a duty that is fundamentally ours—one that demands the attention of the state at large, and one that should appeal to every loyal Hoosier in our commonwealth.

The first volume of our "*Biographical Series*" undertaken by the Historical Commission consists of the life of George W. Julian. Mrs. Grace Julian Clarke, one of Indiana's noted writers and historical students, and a daughter of George W. Julian, has practically completed the life of her father, which will soon be published by the Historical Commission. It is to be hoped that other biographical studies might be completed during the next fiscal year.

HISTORICAL COMMISSION BULLETINS

In addition to the publications above mentioned, the Historical Commission has issued three *Bulletins* during the past year worthy of mention.

Bulletin No. 14 on Historical Markers in Indiana, gives a list, county by county, of the historical markers and monuments that have been erected in Indiana. A brief description of each marker, together with a statement of the historical event that has been commemorated, and the name of the organization that placed the marker, has been included in the *Bulletin*. Since the publication of this bulletin, a statewide interest has been noted in marking historical sites and spots. Within the last ten months, more than thirty historical markers have been placed in different parts of the state, each designating the site where some special event occurred. In erecting these markers and commemorating the important historical events in Indiana history, our people are doing splendid work, and paying worthy tribute to the pioneers of our state.

Bulletin No. 15, issued in February, 1922, entitled *Proceedings of Third Annual History Conference on Indiana History*, contains a complete report of the papers and addresses given at the annual historical conference. (See below.)

Bulletin No. 16, issued in October, 1922, contains a complete report of the *Proceedings of the Annual Meeting of the Southwestern Indiana Historical Society, January 31, 1922*. The Southwestern Indiana Historical Society, consisting of the eight "pocket counties"—Posey, Vanderburgh, Warrick, Spencer, Perry, Dubois, Gibson and Pike—is the most active and progressive sectional historical society in Indiana. Their meetings always bring to light a list of most valuable historical papers. Special lines of investigation are being carried on that touch upon a large part of early Indiana history. The biographical studies that are being made by the members of this organization, the results of the researches into the "Lincoln Inquiry," and the study of transportation routes and trails in southern Indiana, are all adding some valuable contributions to the history of southern Indiana.

COUNTY HISTORICAL SOCIETIES

No phase of the work connected with state and local history has been more successful during the past year than the growing interest noted in county historical societies. At the close of the calendar year, 1922, 55 counties had organized a county historical society. (This number does not include a half dozen or more counties which have had at some time historical societies but now inactive.)

Forty-seven county societies in Indiana are now, and have been during the past year, actively engaged in the work of studying local Indiana history. Membership in these local societies number all the way from twenty to twenty-five in the small organizations to more than two hundred and fifty in the larger societies. The county historical

societies are rendering a valuable service in keeping alive an interest in local history that no state organization can ever render. The members of these local societies acquainted with the development of local history, the growth of local institutions, and the biography of local characters, are contributing greatly to the general history of our state. Their papers, reports and surveys become a part of the collections of the state, and as such will in years to come be regarded as source material for further historical studies.

ANNUAL STATE HISTORY CONFERENCE

In 1919, upon the suggestion of the Society of Indiana Pioneers, assisted by the Indiana Historical Commission and the Indiana Historical Society, an invitation was extended to all organizations and individuals in the state, to meet for a general conference on Indiana history. The date selected was December 11th, Admission Day. Growing out of that first meeting, which was attended by representatives of the Society of Indiana Pioneers, the Indiana Historical Commission, the Indiana Historical Society, the Indiana Library Association, the Daughters of the American Revolution, the Sons of the American Revolution, and other patriotic and historical organizations, arrangements were made for holding an annual conference on Indiana history. Each year the interest and enthusiasm in our state's history has been manifested by the increased attendance at these annual conferences. The Fourth Conference, held on December 8-9, 1922, showed 342 persons in attendance. Fifty-four counties in Indiana were represented. In addition to valuable papers and addresses given by Indianans interested in our state's history, addresses were also delivered by Dr. Benjamin F. Shambaugh, Superintendent of the Iowa State Historical Society; Hamlin Garland, nationally renowned student and author; and George R. Fox of Three Oaks, Michigan.

These annual "Conventions on Indiana History" are rapidly becoming a great clearing house for much that is of value to our state. Persons interested in learning of Indiana's history, or those who desire to contribute to its historical collections, are invited to attend and co-operate in these important gatherings.

INDIANA HISTORY IN THE PUBLIC SCHOOLS

Another evidence of the growing interest in Indiana history is noted in the fact that during the past year, a report issued by the State Superintendent of Public Instruction requires: "That after January 15, 1923, and annually thereafter, the State Superintendent of Public Instruction shall furnish questions to all persons who wish to graduate from the common schools of the state, and that a satisfactory examination on Indiana history shall constitute a condition for promotion from the eighth grade to any higher school in the state. Also, that a record of a satisfactory examination in Indiana history shall be entered on the diploma or certificate of graduation of each student who graduates from the eighth grade."

This action on the part of the State Department of Education was

in response to resolutions passed by the Society of Indiana Pioneers, the Indiana Historical Society and the Indiana Historical Commission, and other historical and patriotic societies interested in having Indiana history taught in the public schools of the state. These organizations, believing that the most effective way in which an interest in local history can be developed is to have the children of the state know their history, officially requested that it be made a part of the course of study. Hereafter children who graduate from the eighth grade in our public schools will have to pass an examination on Indiana history, and will thereby know more of our state's growth and its heritage.

More and more we are realizing that the greatest asset to the citizenship of a state is the possession of the knowledge attending the organization and development of that state. The greatest protection a state can have rests in the security of its citizenship, and a citizenship trained in the knowledge of the state's history will permanently guard and protect it from all local or outside dangers.

FINANCIAL STATEMENT OF THE INDIANA HISTORICAL COMMISSION

For the fiscal year beginning October 1, 1921, and ending September 30, 1922:

Regular appropriation	\$15,000 00
Specific appropriation	3,750 00
	<hr/>
	\$18,750 00
Expenditures—	
Personal Service—	
Salaries, wages, special payments.....	\$6,534 07
Contractual Service—	
Traveling, communication, printing, war photographs, historical markers, pictures.....	11,500 31
Office Supplies—	
Stationery, typewriting repairs, shipping service, etc.....	628 54
	<hr/>
	\$18,662 92
Balance reverted to state.....	\$87 08

REPORT OF THE DEPARTMENT OF CONSERVATION

Hon. Warren T. McCray, Governor:

Dear Sir—The Conservation Commission submits the report of the director and heads of the various divisions.

Largely through their united efforts assisted by their efficient office force, the department has advanced and had a successful year and has done much practical work.

Very truly yours,

W. A. GUTHRIE, Chairman.

CONSERVATION COMMISSION

W. A. GUTHRIE, Chairman.

E. M. WILSON, Secretary.

STANLEY COULTER.

JOHN W. HOLTZMAN.

EXECUTIVE OFFICE

RICHARD LIEBER, Director.

CHARLES GOODWIN SAUERS, Assistant to Director.

HELEN M. ROREX, Clerk and Stenographer.

E. W. GALLAGHER, Accountant.

SUE G. SCOTT, File Clerk.

KATHLEEN HOGAN, Telephone Operator and Clerk.

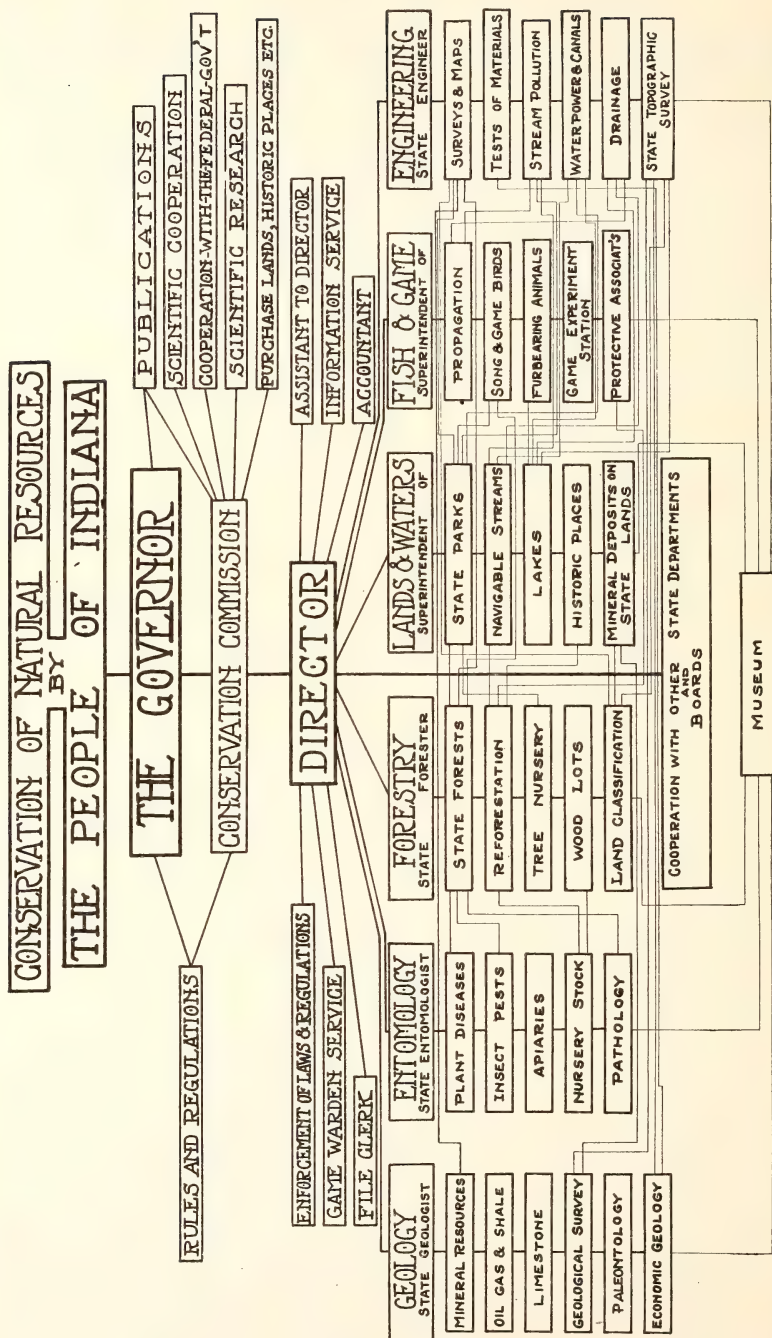
REPORT OF THE DIRECTOR TO THE COMMISSION

The Department of Conservation was created by the 71st session of the Indiana General Assembly, and is known as Chapter 60 of the Acts of 1919. It was amended by the 72d session of the Indiana General Assembly by the addition of a sixth division. This act is known as Chapter 238, Section 2, of the Acts of 1921, and had for its purpose the creation of a Division of Engineering.

The following table exhibits in graphic form the organization of the department.

This is the fourth annual report of the department. In its make-up, as seen by chart on preceding page, comprising a number of state governmental agencies which formerly led a separated and nonco-ordinated existence, it proves the wisdom of concerted action and serves as a fine example how unwieldiness of state departments can be changed into live agencies of businesslike public service at a minimum of cost.

Thanks to the energy and capacity of our department chiefs and to the splendid co-operation of faithful employees intelligently interested in the great work of conservation, we close another year with a most enviable record of results accomplished. But with all we are readily aware that these accomplishments would not have been attained had the department not enjoyed public approval and support. From the



press, the pulpit and the classroom have come so many friendly, encouraging and valuable expressions of support and advice that work in the wide field of conservation has been turned into the joy of a mission. The best forces of our state have identified themselves with our labors and our deep thanks are expressed to them for their intelligent and public-spirited co-operation.

In the present state of turmoil and unrest, the Department of Conservation is a veritable haven of contentment. It protects the natural resources that the yield of created resources be increased and held in sustained use for the benefits of our citizenry—that great human resource.

Conservation thinks of humanity; it shackles the forces of nature that it may liberate mankind. As Roosevelt said, "Conservation does not mean non-use or non-development. It does not mean tying up the natural resources of the states. It means the utilization of those resources under such regulation and control as will prevent waste, extravagance and monopoly; but at the same time, not merely promoting, but encouraging such use and development as will serve the interests of the people generally."

We are today the leading industrial nation, and our industries will still further increase and expand. We need industrial laborers notwithstanding the use of automatic and semi-automatic machinery in apparently increasing numbers.

There has existed in the past a socio-political incongruity from which the United States in its industrial development has been the beneficiary. In the past over 75 per cent of the hard and "dirty" labor in this country was performed by those who had shaken off the yoke of autocratic government in Europe, which we denounced. Now, since we have helped to upset autocracy, the masses of that part of Europe from which our non-skilled labor came and without which we could not have performed the miracle in industry, mining, railroad and other building, have come to recognize their own importance by taking us literally.

There is too much "dirty work," i.e., hard manual labor, performed by human hands, and unskilled hands at that, which could be better done by power-driven machinery. There is no country like the United States where a beginning has been made on as large a scale to do this very same thing. Likewise, there is perhaps no other country where the change from the industrial basis as it has existed up to this time could be made with less friction and with more benefit to all the people, than here, because the United States' huge continent is after all but "an aggregation of undeveloped empires, sparsely occupied by the most wasteful people in the world."

Resource energy in place of human energy is the way out of the labor troubles. Ancient culture and civilization was made possible only by the system of human slavery. Culture and leisure are synonyms. Culture and democracy are antonyms, as long as you predicate your own culture and leisure upon the ignorance and toil of others.

Upon the solid basis of our natural resources rests the foundation of our glorious national institution; on it was reared the magnificent,

the resplendent edifice of our national life. Like all buildings, it needs constant care and attention. Behold the venerable cathedrals of Europe and you will find that somewhere attached to them is a stone mason's lodge whose labor it is to keep the structure in repair and safety.

That is the need if the new day: construction in place of destruction. Ignorance, stupidity and greed, private and corporate, must give way to enlightenment, wisdom and service. Service above all. The contribution of our department to this great end in the work of the fiscal year may be summarized as follows:

GEOLOGY

Delivered to the printer the "Handbook of Indiana Geology," a work of more than 1,100 printed pages comprising a complete resume of the geological conditions in Indiana and history of their investigation.

Prepared publications on gold in Indiana, potash in the New Providence shale of Indiana and on the St. Louis limestone in Indiana. Prepared a map showing the coal fields of Indiana.

Published sundry technical articles and a bulletin in co-operation with the U. S. Bureau of Mines on oil shales in Indiana.

Participated in opening field for Indiana coal for consumption in the northwestern states. Additional output estimated at fifty millions of dollars.

Continued archaeological investigations in co-operation with the State Historical Commission.

Entered into co-operative oil shale investigation with the U. S. Bureau of Mines, standardizing the work.

Field force spent summer in investigation of oil and supposed oil lands, oil bearing shales, sources of water supply, clays and shales for ceramics, building stones, materials for manufacture of cement and discovering limestone bed and marl areas. Also carried on systematic investigation of coal measures of Indiana.

Investigated stripped coal lands together with forester for proposed use of reforestation.

Made 1,037 determinations of rocks and minerals in laboratory.

Plugged 245 abandoned gas and oil wells.

Published monthly report on development of gas and oil in the state.

Responsible for the discovery of the Laconia gas field in Harrison County which supplies three towns with natural gas.

Forty-two thousand seven hundred sixty visitors registered at the State Museum. Numerous additions were made to the museum through donations and purchase.

Demonstrated value of peat, especially for the use of farmers.

ENTOMOLOGY

Inspected 243 nurseries to prevent the growing and sale of disease or insect infected stock. These nurseries have a total average of 1,231½ acres.

Issued 626 nursery licenses.

Gave assistance to farmers and orchardists in the control of pests and diseases. The more serious were San Jose scale, pine scale, snow

white linden moth, plant lice, termites, house ants and tarnished plant bug.

Inspected 44,122 colonies of bees for the prevention of foulbrood. Gave 332 demonstrations in beekeeping.

The efforts of the inspection service have brought beekeeping in the state to the highest development of any state in the country. Government reports show Indiana produced an average of sixty pounds per colony which is the highest.

European foulbrood has been effectually controlled in northern Indiana.

Greenhouses were inspected having 1,397,000 square feet of glass.

FORESTRY

One hundred seventy-four woodlands were inspected as to possibility of their classification under the forestry taxation law. Intimate contact with owners of woodlands brings to the department an accurate knowledge of forestry conditions. The year's work bears out more fully the statements heretofore made that we are rapidly mining our timber and that at the present rate the national supply must be almost totally gone within fifty years. At the present rate of clearing going on in this state, Indiana should be treeless in fifteen years. Our real problem is what to do with the waste land of southern Indiana.

The forest land classification bill of the 1921 legislature makes it profitable for the farmer to hold part of his land for a woodlot.

At the Clark County State Forest which is now approximately 3,350 acres, there were grown in the nursery 173,175 seedlings to be replanted on the reserve or sold to woodlot owners.

The measurement of the rate of growth in the experimental plots at the reserve were continued and made a permanent record.

It was discovered that White and Japanese Red Pine grew exceedingly well on the worn out fields.

One thousand seven hundred ten visitors registered at the reserve.

There were published the bulletin called "Indiana Woodlands and Their Management," which is much in demand by woodland owners.

Three hundred thirty-four copies of "Trees of Indiana" were sold.

LANDS AND WATERS

State parks are helping to solve the difficult sociological problem of the employment of leisure hours.

Turkey Run

A thirty-two-room brick veneer two-story hotel annex was built at Turkey Run in an attempt to relieve in part the demand for accommodations.

A million-gallon water storage reservoir was constructed in Turkey Run canyon by erecting a dam. The water is used to supply the hotels and park.

Adequate sewage disposal tanks were constructed in order that there might be no unsanitary conditions.

Fifty-eight thousand ninety paid admissions were collected at Turkey Run. This does not mean daily attendance. Turkey Run had an income of \$10,519.30.

There was completed a road through the new addition to the park and a high wooden trestle over Newby Gulch which brings this road into the park proper. All the construction of any type in the park was carried on by this division using local labor at a considerable saving to the state.

McCormick's Creek

This park has continued its growth and popularity. The hotel was well managed and kept busy throughout the year.

Gate receipts were charged from August 1st and an income of \$273.60 received.

Due to lack of funds, no development or construction of any sort other than routine was carried on.

Clifty Falls

A mile and a half of stone road 18 feet wide was constructed. A stone farm house standing on a bluff 400 feet above the Ohio was remodeled into a small hotel.

Road partially constructed from hotel down steep hillside.

Temporary water supply from spring constructed.

Roadway graded into Higbie field for parking space.

Paths leading to Clifty Falls repaired and made safe.

This park presents a difficult problem and necessitates a large expenditure in making it accessible to the public.

Muscatatuck

The name of this park has been changed from Vinegar Mills to Muscatatuck.

Acquired ten acres of land with a large brick farm house which was remodeled to a wayside restaurant known as Muscatatuck Inn. It has proved very popular to both local people and the automobile tourist.

Road and parking space provided going into the park at the Inn.

Latrines constructed and 100 picnic tables built and distributed through the park.

Paths cleaned up and steps provided at chief points.

FISH AND GAME

This division is entirely self-supporting.

Receipts for the year amounted to \$148,964.06, as compared to \$132,852.65 the previous year and \$89,149.96 in 1918 prior to the formation of the Department of Conservation.

Sold 153,392 licenses as compared with 92,666 in 1918.

Game Warden Service made 1,767 arrests, an increase of 280 over the previous year. In 1918 before the Department of Conservation was organized, only 369 arrests were made with the same number of wardens.

Fines and costs amounting to \$36,116.50 were assessed against \$731.90 in 1916.

Operated four fish hatcheries from which were distributed among others more than one million black bass and 400,000 pike perch to the waters of the state which is more than twice any previous year.

Eleven reels of motion pictures portraying the work of the division have been made available to the public organizations.

Nineteen new fish and game associations were formed in the state, making a total of 143 such clubs or associations.

Published a manual for the game warden service.

Engaged in a campaign of purification of our polluted streams and waters.

ENGINEERING

Completed topographic surveys of Muscatatuck park and unfinished work on McCormick's Creek and Clifty Falls.

Designed and constructed timber trestle in Turkey Run, one mile of road through new tract, water supply and sewage disposal system. Designed three roads and two timber trestles for Clifty Falls.

Inaugurated a drainage survey with the purpose of locating all areas in the state which have been mentioned in drainage reclamation enterprises, to ascertain areas in need of drainage, cost data and similar information.

There was inaugurated a system of stream gauging stations for the entire state. Plans are to establish ten stations immediately and ten the following year.

Established 165 shallow wells in the Kankakee valley for the purpose of taking measurements on the underground water table level which should give information on the effect of drainage of such lands.

Prepared a pollution index of the streams of Indiana.

Conducted investigations in the disposal of industrial wastes now being dumped into the streams.

Studied closely the effect of industrial wastes upon fish life of the streams.

Made forty-five separate investigations scattered over the state.

In a large number of cases filed affidavits against the violators and required of them plant changes which will handle the wastes.

CONCLUSION

The crying needs of the museum we hope will be taken care of by placing it in the contemplated Memorial Building in the Indianapolis Plaza. The importance of a museum can be under-estimated. Indiana is backward in its obligation to a great past. Collections are fast leaving the state which could be easily obtained had we the proper space to exhibit them.

Attention is also respectfully drawn to the insufficient housing of our department. The space is insufficient and cramped conditions are a detriment to the work that has to be carried out.

RICHARD LIEBER, Director.

POSTAGE REPORT
1921-1922

DIVISION	RECEIVED		MAILED	
	1st Class	All Other	1st Class	2nd Class
General Administration.....	5,519	385	3,917	10,224
Geology.....	1,735	666	1,859	648
Entomology.....	4,673	1,216	5,416	1,295
Forestry.....	1,755	106	3,262	3,139
Fish and Game.....	8,407	420	13,361	2,314
Engineering.....	902	187	2,035	127
Total.....	22,991	2,980	29,850	17,749

REPORT OF THE DIVISION OF GEOLOGY

W. N. LOGAN, State Geologist

ORGANIZATION

The working organization of the Division of Geology as it is now constituted consists of a technical force, an office force, a field force, and gas-inspection force. The members of the office force are the only staff members drawing salaries regularly from the division funds. A few members of the field force draw salaries from the division funds for a few months each year. The gas inspectors are paid from inspection fees collected by them. A part of the funds collected by them is used to help defray office expenses.

TECHNICAL FORCE

The members of the Department of Geology of Indiana University serve as members of the technical force as follows:

W. N. LOGAN, Ph. D., Economic Geology.

E. R. CUMINGS, Ph. D., Stratigraphy and Paleontology.

C. A. MALOTT, Ph. D., Physiographic Geology.

S. S. VISHER, Ph. D., Geography.

W. M. TUCKER, Ph. D., Hydrology.

J. R. REEVES, A. B., A. M., Assistant, Oil Shale Technologist.

H. W. LEGGE, Preparator.

OFFICE FORCE

THEODORE KINGSBURY, Supervisor of Natural Gas.

EDWARD H. SHAW, Curator of Museum.

MRS. ADDA RINKER, Clerk and Stenographer.

FIELD CORPS FOR 1922

W. N. Logan
E. R. Cumings
C. A. Malott
W. M. Tucker
J. R. Reeves
R. E. Esarey
M. A. Harrell

W. P. Rawles
W. A. Thomas
G. G. Bartle
R. L. Kidd
F. E. Madenwald
R. S. Hunt
Geo. Cressey

NATURAL GAS INSPECTION FORCE

THEODORE KINGSBURY, Supervisor

DEPUTIES

C. N. Brown	Geneva
John Ersinger	Sullivan
J. P. Horton.....	Montpelier
J. E. McIntyre.....	Marion
Herschell Ringo	Muncie
Geo. H. Smith.....	Owensville
John Watson	Petersburg
Howard Legge	Bloomington
O. H. Hughes.....	Sharpsville
E. E. Wherry.....	Shoals

PUBLICATIONS

The following reports, books and articles were prepared and published during the year:

"Report of the Division of Geology," Indiana Year Book, 1922. This report contains an account of the field, office, laboratory and museum work and a financial report of the division. It also contains the technical papers entitled: "Gold in Indiana," "Potash in the New Providence Shale of Indiana," and "An Intraformational Breccia of the St. Louis Limestone of Indiana."

In answer to a demand on the part of the public for a map showing the distribution of the various coal beds of the state, such a map was prepared and published under the title, "Coal Fields of Indiana."

"The Handbook of Indiana Geology," comprising more than 1,100 printed pages, was completed during the year. This work contains a complete resume of the geological conditions in Indiana and a history of their investigations. The volume is divided into six parts, each part having been prepared by a member of the technical force.

Part I treats of the geographical features of Indiana, discussing location, area, climate, industries, population, and the geographic factors influencing industry, commerce and the distribution of population.

Part II discusses the physiographic conditions of the state and assigns causes for its most prominent relief features. It contains a discussion of the prominent physiographic provinces of Indiana and cites many examples of changes in topography taking place at the present time.

Part III deals with certain hydrographic conditions of Indiana, exhibits a map showing the streams and lakes, the surface drainage lines, gives tables of stream measurement, shows location of gaging stations used, discusses water supplies and sewage disposal, and contributes much to our knowledge of Indiana hydrology.

Part IV describes the strata which composes the geological formations of Indiana, names the various divisions and subdivisions of geological time represented by formations in the state, and correlates these with those of other states. It discusses the life present in those periods

and the environmental conditions under which the life existed. This part also gives a comprehensive view of the work which has been done on the geology of Indiana by former investigators.

Part V comprises a discussion of the economic mineral resources of Indiana; it devotes considerable space to the discussion of petroleum and natural gas, to the coal resources, to kaolin and clay, to ground and mineral waters, to building stones, to lime and cement materials, to abrasive materials, to sands used for foundry work and glass manufacture, to deposits of peat and marl, to pyrite, gold, precious stones and other minerals. Maps which show the distribution of these minerals and natural products accompany this part of the volume.

Part VI deals with a single economic feature of the state, the oil-bearing shales. It describes the distribution of the New Albany oil-bearing shales, describes their mode of occurrence, condition of outcrop, thickness, physical and chemical properties; it also discusses the location of quarries, extraction plants, methods of extraction, quantity and quality of the oil, recoverable by-products, and other features of the subject.

An article on the "Natural Gas Resources of Indiana" was published in the Oil and Gas Journal. An article on the coals of Indiana was published in the Black Diamond under the head, "Coals of the Allegheny Division of Indiana; Farming the Top and Mining the Bottom, Along the Line of the Chicago, Milwaukee and St. Paul Railway in Indiana." A special edition of 30,000 of this number was issued and distributed to commemorate the taking over of the Chicago, Terre Haute and Southeastern Railway by the Chicago, Milwaukee and St. Paul Railway and the opening of the territory traversed by that road as a market for Indiana coal.

A bulletin on the "Oil Shales of Indiana" was prepared and published in co-operation with the United States Bureau of Mines. An illustrated article on oil shales was published in a large number of newspapers of the state as were many other articles relating to the mineral resources of the state.

ARCHAEOLOGICAL INVESTIGATIONS

Investigations of the archaic deposits of Indiana were continued in conjunction with the activities of the regular field work. No funds being available for the work, it could not be carried forward except as an accompaniment of other lines of work. A number of new localities were visited during the year. The co-operative work with the State Historical Commission in conducting a county by county survey of an historical and archaeological nature was continued. In preparation for the work of this survey, the Division of Geology prepared a large number of county base maps for the location of points of historic and archaic interest.

CO-OPERATIVE OIL SHALE INVESTIGATIONS

At the beginning of the year the Division of Geology entered into a co-operative agreement with the United States Bureau of Mines through the director, Dr. H. F. Bain, with a view to securing a more systematic

investigation of Indiana oil-bearing shales. It was agreed that for a period of time the methods of investigation outlined and used by the bureau should be followed in our laboratory. This laboratory work to be inspected from time to time by representatives of the bureau. At the suggestion of the bureau, Mr. J. R. Reeves, of the division, was sent to the United States Bureau laboratory at Boulder, Colorado, for the purpose of studying the methods being used there. As a result, our methods of investigation have now been standardized with those of the bureau. The expenses of the investigations are divided as follows: The laboratory expenses are being paid by Indiana University, the expenses of inspection and publication by the Bureau of Mines, and the field expenses by the Division of Geology.

GEOLOGICAL FIELD INVESTIGATION

The members of the technical force of the division responded to many requests for geological investigations in the field during the year. These investigations included the examination of oil and supposed oil lands, oil-bearing shales, the investigation of sources of water supply, problems, clays and shales for ceramic use, areas of land containing building stones, material for the manufacture of Portland cement and lime, peat and marl areas. Assistance was given cities in the location of more adequate water supplies.

In the course of the regular field season systematic investigative work was carried forward in the survey of the Coal Measures of Indiana. The territory surveyed during the past season embraced the whole or parts of the following counties: Greene, Sullivan, Knox, Pike, Gibson, Posey and Vanderburgh. The work consisted of the location of the outcrop of the various coal beds, a study of the stratigraphy and structural conditions, the collection of samples of the coals, fire clays and shales for study in the laboratory and the determination of their qualities and uses.

Assistance was given to oil companies; to farmers seeking coal for threshing purposes; to clay workers and others. The field party engaged in this work included the following members: W. N. Logan, R. E. Esarey, M. A. Harrell, G. G. Bartle, W. P. Rawles, R. S. Hunt and F. E. Madenwald.

An investigation was made jointly by the state geologist and the state forester on the proposed use of stripped coal land of the Central Indiana Coal Company for forestry purposes. It was found that the land was unsuitable for this purpose, for when the coal was removed the land was left in sharp ridges varying in height from 35 or more feet, the land between the ridges being occupied by V-shaped depressions of about the same depths. The surface soil is deeply buried and the surface of the ridges is occupied largely by undecomposed rocks, leaving a condition, both from the standpoint of topography and condition of soil, unsuitable for the growing of trees. It was suggested that if trees were to be planted on such land the ridges should be, at least, partly level and the growing of trees be tried out in an experimental way. More complete information on this subject is given in a report made to the director of the department in November, 1921.

Dr. E. R. Cummings, assisted by Mr. W. P. Rawles, continued his studies of the Ordovician and Silurian formations, tracing the strata of these formations into Ohio and correlating them with the formations of that state.

Dr. C. A. Malott continued his studies of the Mississippian formations of Indiana. His work embraced the mapping of the areas of Chester rocks in the western part of the unglaciated area of Indiana, and in correlating these areas with those previously studied. The structural conditions of the area were mapped. He spent some time, also, in mapping the topography of the Lost River region.

Dr. W. M. Tucker, assisted by Mr. A. W. Thomas, studied water supply conditions in the lake region, surveyed, took soundings and drew contour maps of nineteen lakes in northern Indiana for the Division of Fish and Game.

Mr. J. R. Reeves, assisted by Mr. R. L. Kidd, continued his study of the New Albany oil-bearing shale area, mapping the area of outcrop, selecting sites for quarries, studying transportation facilities, and collecting samples to be tested in the laboratory for oil content.

STATE FAIR EXHIBIT

The exhibit made by the division in the Indiana University building at the State Fair consisted of a display of some of the mineral resources of Indiana, of maps and charts showing the distribution of economic products and of publications. Oil shale extraction apparatus was exhibited and shale oil was extracted from the raw shale in the presence of the visitors. The exhibit was installed by Mr. R. E. Esarey and Mr. H. W. Legge. Mr. Legge remained in charge during the entire period of the fair.

MINERAL INVESTIGATIONS

A large number of rocks and minerals were received at the office and laboratory during the year with requests for their examination, testing, and analysis with a view to determining their value or usefulness. Some of these required merely a qualitative test, others required a careful quantitative analysis which consumed much time. All qualitative tests were made without expense to the citizen and no charge was made for the quantitative analyses, except for the actual time charges of the chemist.

The following is a summary of the determinations made during the year:

Alum	3	Garnet	2
Asphalt	6	Gold Ores	6
Barite	2	Granite	25
Calcite	19	Hematite	2
Chert	11	Iron Carbonate	5
Clay	57	Iron Ores	20
Clay, Ceramic	10	Jasper	4
Clay, Fire	9	Kaolin	5
Coal	64	Limestone	55
Coppers Ores	18	Magnetite	1
Fossils	6	Marl, Calcareous	14
Galena	3	Mica	48

Ocher	1	Schists	3
Oil	56	Shale	64
Oil, Sands	238	Silver Ores	6
Oil, Shale	31	Soils	8
Ozocerite	1	Sphalerite	9
Peat	9	Water	42
Pyrite	90	Water-Oil Mixture	16
Quartz	49	Miscellaneous Minerals	14
Sand, Building	3		
Sand, Molding	2	Total	1,037

Not less than fifty examinations were made during any month.

NATURAL GAS SUPERVISION

The conservation of natural gas and petroleum by preventing wasteful practices about wells, by stopping leaks in pipe lines, and by supervising the plugging of abandoned oil and gas wells, is in charge of Theodore Kingsbury. Assisting in this work are ten deputies, in charge of districts in which they live, who are paid no salary, but receive a part of the fee they collect for supervising the plugging of wells. A list of these deputies is given in the first part of this report.

During the year 246 wells were plugged under the supervision of the State Gas Supervisor and deputies, the former visiting only the wells in districts not covered by deputies. The fee of \$10 collected by him for the plugging of each well and \$2 of each of the fees collected by deputies, a total of \$644, was turned over to the general fund of the Department of Conservation. Wells were plugged in thirty-one counties as follows:

County.	No. of Wells.	County.	No. of Wells.
Pike	39	Tipton	3
Delaware	35	Decatur	3
Jay	31	Madison	3
Grant	15	Shelby	3
Gibson	14	Martin	2
Wells	14	Miami	2
Huntington	11	Vermillion	2
Blackford	9	Vigo	2
Sullivan	8	Wabash	2
Randolph	7	Bartholomew	1
Rush	7	Daviess	1
Adams	6	Hancock	1
Hamilton	6	Henry	1
Howard	5	Lake	1
Marion	6	Warrick	1
Knox	4		
		Total	245

During the calendar year 1921, Indiana produced 1,163,000 barrels of petroleum (42 gallons each), as compared to 932,000 barrels in 1920. This production has not been equalled since 1914, when 1,335,456 barrels were produced. Of the 1921 yield, 891,000 barrels were produced in the southwestern field, and 272,000 in the older northeastern field. The largest production for any one month during the year was in May, when 107,000 barrels were produced, an average of 3,452 barrels a day. The

production thus far in 1922 is only slightly below that for corresponding periods in 1921, but is above that of several years previous. Increased activity in drilling, stimulated by the higher price of petroleum, accounts for the increased production during the last two years.

The most remarkable well drilled during the year is on the Tom O'Brien farm, Jay County, eight miles south of Portland, in the Ridgeville field, which made an initial production of 200 barrels a day. A number of wells in other parts of the state have been reported as having made an initial production of more than 100 barrels a day, but the average production of producing wells in Indiana is less than five barrels a day.

With the exception of the southwestern part of the state where several oil sands are found, all of the oil produced in Indiana thus far comes from the Trenton formation. However, during the year several attempts have been made to find oil below Trenton. In Bear Creek Township, Jay County, the deepest well in the state has been drilled. In June, when drilling was temporarily suspended, this well was 3,267 feet deep. South of Greensburg a deep test well is being drilled which is more than 3,000 feet deep. The chief of this division has been consulted by the owners of this well on a number of occasions, and has tested many samples of sand for them.

Following a study of structural conditions in southern Harrison County by the Division of Geology, recommendations were made for prospecting for gas, which resulted in the opening of what is known as the "Laconia Gas Field." The production of gas from this field is ample to supply the needs of at least three nearby towns—New Middletown, Elizabeth and Corydon. A special report on this field was made to the director in December, 1921.

Gas has been found in several other localities in the state during the year. At Brewersville three productive gas wells were drilled and plans are being made to pipe this gas to North Vernon. Several wells have been brought in near Newcastle and the gas will be piped to that town. Notwithstanding the development of new gas territory, the supply in many localities, as in Rush and Decatur Counties where gas has been produced for fifteen to twenty years, is becoming depleted, so that the total production for the state is gradually decreasing. This condition necessitates the closest observance to state laws to conserve the supply.

Beginning with December, 1921, and regularly each month following, a report on the activities of drillers for oil and gas has been issued and sent to deputies and others interested. This report gives all the information on the discovery of oil and gas and the progress of wells being drilled that can be obtained from reports and newspaper clippings received in this office. It has assisted in getting more hearty co-operation from deputies and others interested in the production of oil and gas in Indiana, and has resulted in a closer observance to state laws.

A persistent effort has been made throughout the year to collect well logs or records, but some difficulty has been experienced in getting in touch with new companies operating in the state and acquainting them

with the regulation requiring that logs be filed in the office of this division within thirty days after the completion of wells.

OFFICE WORK

The office work of the division is attended to by the assistant geologist and stenographer. It consists principally of attending to correspondence, mailing reports on request; tabulating circulars, reports and other sources of information received in the office, collecting and recording well logs; collecting data on the natural resources of the state for the office, individuals and press; and giving information to callers.

Considerable work has been done in arranging the books and bulletins of the division's library, so they may be referred to more readily and the information they contain made more available. A complete general index to the Handbook of Indiana Geology was compiled in the office. In response to requests for information on archæology in Indiana, a Bibliography of Indiana Archæology was prepared and copies made for distribution. Arrangements were made with the state library to file trade journals received in the office, so they could be of use to the public as well as being in a readily accessible form for use by this division.

Following is a summarized report of the office work for the year:

	Office	Laboratory	Total
Letters received	1,740	500	2,240
Letters mailed	1,859	410	2,269
Reports distributed—			
Geological	294	...	294
Petroleum and Natural Gas.....	132	16	148
Kaolin	270	10	280
Coal Maps	110	...	110
Personal conferences	1,373	380	1,753

MUSEUM

The registered attendance of the museum for the fiscal year was 42,760, as compared to 43,968 the year before, a decrease of 1,208. The reunion of the National G. A. R. which was held in our city last September would account for this. A conservative estimate of callers not registering or refusing to do so would be 20 per cent, making an approximate of 51,312 during the fiscal year just ended. The legislature not being in session this year has depleted the number of visitors to the museum considerably.

The wants of the museum are numerous, but the greatest complaint from visitors is that the crowded and congested condition prevents them from seeing the display properly. Eighty-five per cent of the attendance was from our "Home State," who expressed extreme praise for the collection, while totally ignorant of the fact that our store room contains three times as many specimens as are now on display, for lack of space to show them. The "Paxton" collection is still unpacked. A number of articles are donated almost daily, and the collection is losing many other donations because they cannot be shown, as so many of the aisles are so close together that the cases cannot be opened, or guests pass between.

Provisions for lighting are totally inadequate. In many of the

lower cases exhibits cannot be seen, let alone decipher the cards. No new cases have been added for years and the old ones are obsolete and largely out of repair. Space is required for teachers and students for their accommodation in making the sketches and notes required in their studies, of which a large number visit us. The universal cry is "More space should be provided." To sum up, it needs *space*:

To enable the caller to get around.

To enable the teachers to get the information they are in search of.

To aid the pupils to prepare their studies.

To show fully the beauty of each exhibit.

Nearly every state in the Union *has* provided a separate building for the proper showing of the *state's resources*, and the people's demand, as evidenced by our visitors, should not go unheeded.

DONATIONS, ADDITIONS, ETC.

Collection—Picked up on Rush County farm and donated by O. O. Barrett, Indianapolis:

Hawaiian Criminal Whip—Containing over 300 shark's teeth. Used over 100 years ago.

Hawaiian Basket—Hand Made.

Sea Grass Breech Clout—Worn by Hawaiian women.

Hawaiian Police Mace—Stone inside.

Stone Pestle for Grinding Grain for Food—Hawaiian.

Hawaiian Beads.

Bolas Ball.

Electric Armature—From the first Electric Vehicle made in the United States. Was brought to Indianapolis in 1888 by Chas. Reitz. A one-seated affair. Donated by his son, Herman.

Shells from Recondra Beach, Calif.—Donated by Melvin J. Addington, 3503 North Illinois, Indianapolis.

Archer's Cross Bow—Presented by Misses Emma and Frieda Metzner, Indianapolis. Brought from Europe by their father, Emil Metzner (deceased) many years ago.

Mammoth Tooth—Elephas Pringeniensis. Donated by Clint Perry, 807 North Drexel Avenue, Indianapolis.

Pewter Wash Basin—Presented by Mrs. Charles N. Money, granddaughter of Thomas W. Moore, Parke County, Indiana. Said to have been used by the Dunkards during the early settlement of this country in their foot washing services.

Civil War Relics—Campbellsburg, Indiana—Odds and Ends, bayonets, shells, cannon balls, etc.—No other advice in regard to them.

Bean Ring and Nut from Honolulu—Made in prison there. Donor, H. B. Reish, 1111-12 I. O. O. F. Building, Indianapolis. Relics from B. G. Mann.

Belt Buckle and Fragments of High Explosives—From Chateau Thierry, France. Brought from and donated by Earl Deitrich, Indianapolis.

(*Bowie*) *Dirk Knife*—Donated by Mrs. Kate Shepherd, 419½ East Twenty-Second Street, Apt. 1, Indianapolis. Carried by Capt. Thomas Hibben during the Civil War.

Surgical Instruments—This case of amputating instruments was purchased in 1840, in Cincinnati, Ohio, by the late Dr. Albert G. Preston, of Greencastle, Indiana. They were used in his civil practice, prior to the Civil War. Dr. Preston enlisted in the Civil War in April, 1862, and was appointed Surgeon of the 55th Ind. Vol. Inf., by Gov. O. P. Morton. They were used at the battles of Richmond, Kentucky, Shiloh Church, Sieges of Vicksburg and Corinth, Mississippi, and other battles. This case is now 82

years old, and is surrendered to the Indiana State Museum by the Preston family, through a son of the late Dr. A. G. Preston, Dr. Joseph L. Preston, Cloverdale, Indiana, as a memoir of the past.

Birthday Cake—This twelve-layer jelly cake, covered with icing and decorated with candles, was baked by Mrs. Fannie McCabe for her son, Vincent, February 14, 1880, to be served with ice cream to his playmates, who had gathered together in honor of the occasion. Upon second thought, Mrs. McCabe baked another cake, which she served instead, and placed this birthday cake under the glass globe to see how long it would remain. Mr. and Mrs. McCabe were married March 30, 1855, in Indianapolis, and the plate, upon which the cake is resting, was one of their wedding plates. Presented to the Indiana State Museum by Vincent McCabe May 22, 1922.

Hawk—Caught three miles west of Fort Wayne, Ind., 1917.

Sea Parrot—From Alaska, 1909.

Sawbill Duck—From Alaska, 1909.

Hat—Greek Fez.

Wooden Shoe—Above listed specimens donated by J. E. Martin, 2107 Hanna, Fort Wayne, Indiana.

Fossil—Portion of the tooth of the mammoth. Donated by J. M. Larsh, 840 North Meridian, Indianapolis.

Pocket Piece—Log Cabin Campaign of 1840. Donated by D. W. Atkins, Marion, Ind.

Niagara Limestone—*Chain Coral*—From Cass County, Indiana.

Abalone Shell—Extremely large. Donated by Garrett W. Olds, 829 N. Pennsylvania Street, Indianapolis.

Lithographic View Andersonville Prison—Large size. Donated by Bennie Coombs, Columbus, Indiana.

Bird of Paradise Feathers—1 large Black Paradise, double, 1 large Black Paradise, single, 1 made-up Black Paradise, 2 small wired Paradise, 2 small wired Yellow Paradise, 5 large Yellow Paradise, 4 natural Goura Scapls, 6 large Yellow Miner Paradise, 4 bunches long white Aigrettes, 40 strands each. Donated by National Association of Audubon Societies, 1947 Broadway, New York City, N. Y.

Screw Driver, Wrench, etc., Combination.

Knife, Spoon and Fork, Combination—Carried by John L. Lewis, Co. D, 40th Indiana Volunteers. Donated by L. Estel Lewis, 2144 Sugar Grove Avenue, Indianapolis.

Star Fish—A large specimen from Tampa, Florida.

Silk Badges—Collection of Presidential Political Badges of both parties—Harrison, Cleveland, Marion Club, Thurman, etc.

Land Patent—Signed by Andrew Jackson. Donated by Lawrence LeForge, 411 Stephens Place, Indianapolis.

Shawl—Donated by Mrs. Fanny McCormick Miller, granddaughter of James and Patsy McCormick. Inherited from her grandmother, and one of the souvenirs of the McCormick family—the first settlers of Indianapolis.

Skinning Knife—From the Philippine Islands. Used in Spanish-American War. Brought home by Geo. S. Mendel. Donated by his son, LaVerne S. Mendel, Indianapolis.

Saddle—Presented by Mrs. G. W. Brown, who was daughter of Mrs. Mary Ann Hacker Coble, and to whom this saddle was given by her grandmother, Mrs. Mary Ann Van Blaricum, who with her husband, John Van Blaricum, and family came to Indianapolis in 1820 from Brookville, Indiana. Mr. and Mrs. Van Blaricum came from the same old Dutch family in Holland as Martin Van Buren, being a cousin of the President. They first located in Pennsylvania and then came to Brookville. Mrs. Van Blaricum rode horseback from Brookville when they came to this city, using this saddle.

Sword and Scabbard, Sash, Belt and Sword Knot—Worn by William Plummer Benton, Brig. Gen'l U. S. Volunteers American Civil War—Richmond, Indiana. Bequeathed by his son, Walter P. Benton, Indianapolis, Indiana, 1921.

Spinning Wheel—From the old log house in which Governor Jennings, first governor of Indiana, once lived. Donated by Mrs. Maude Hughes.

Grain Sickle—More than one hundred years old. Used before the cradle was made. Donated by Fletcher Cortner.

A SECTION THROUGH THE NEW ALBANY SHALE

JOHN R. REEVES

INTRODUCTION

During the summer of 1921 the Louisville Cement Company bored through the New Albany shale with a core drill. This boring was done in the northeast corner of Grant 108, Silver Creek Township, Clark County, Indiana. The formation was found to be 98 feet 5 inches thick, which is the total and normal thickness. In its laboratories, the cement company had approximate analysis made of each 1 foot 8 inch section of the core. The remainder of the core and a copy of the analyses were then sent to the oil shale experiment station of the Department of Geology, Indiana University, Bloomington, Indiana, where additional experimental work was done.

THE NEW ALBANY SHALE

This formation is the principal oil shale of Indiana and is found outcropping in the southeastern part of the state between North Vernon and New Albany. The outcrop district running north and south is about fifty miles long and from five to fifteen miles wide. The same shale is also found in the northwestern part of the state along the banks of the Wabash River and its tributaries in White and Carroll Counties in the vicinity of Monticello, Delphi and Rockfield. The southeastern or principal outcrop district covers parts of Jackson, Jennings, Jefferson, Scott, Clark and Floyd Counties.

EXPERIMENTAL PROCEDURE

The core was divided into thirty-one sections, each about 3 feet long. Each section was then retorted to determine the oil yield in the convenient and reliable retort for the assaying of oil shales developed by the bureau. Since the oil yield varies with rate of retorting, all sections were retorted at the same rate; that is, the same amount of time was consumed in completing the formation of the oil. By previous experimental work it has been determined the maximum oil yield from the New Albany shale is obtained when the retorting time is one hour or slightly longer. The time of retorting for the sections of the core was one hour and fifteen minutes.

The amount of oil obtained from each distillation was usually insufficient for the determination of specific gravity and for topping. It was necessary therefore to combine the oil from two or more consecutive

samples for these tests. The percentage of unsaturates of the tops and the motor fuel index numbers for the different samples of oil were also determined.*

RESULTS OF EXPERIMENTS

It may be seen, by referring to the table, there is considerable variations in the yield of oil from the different parts of the formation. The upper 35 feet and the lower 20 feet being the richest while the lowest yield was obtained from near the middle of the formation. The average yield for the formation at the location of this drilling is 8.3 gallons per ton. The average yield for the upper 50 feet is 11.6 gallons. Between 50 and 60 feet, the yield is very low, while from 60 to 98 feet it averages 7.0 gallons per ton.

The same variation of oil yield in this vertical section of the formation does not necessarily exist for other localities. The low yield of oil obtained from certain portions of the shale is due to the lack of the oil-forming, organic matter being present. That the same proportion of organic and inorganic materials forming the shale was deposited over an area of several hundred square miles during the entire period of deposition of the formation is hardly possible because each was derived from different sources and was carried and deposited by locally varying agents. It is possible, also, that there was a periodical abundance of these two materials.

The table of analyses shows much sulphur to be present. Other experimental work has shown this to be in the form of pyrite (iron sulphide), existing in the shale as microscopic crystals and as small nodules and lenses of varying sizes.

Attention may be brought to the fact that the volatile matter and the oil yield show a comparatively close relation. Of the thirty-one distillations made of sections of the core and volatile matter for the same portion, only seven show an inverse variation, while the lines representing oil yield and volatile matter follow each other closely.

The diversity between volatile matter and oil yield between 50 and 65 feet of the core is due to considerable amount of calcium carbonate being present in the shale, the volatile matter running high, due to the breaking down of the carbonate yielding carbon dioxide as volatile matter.

That the oil-forming matter of the New Albany shale is probably of the same composition all through the 100 feet of the formation is shown by the very small variation in specific gravity, amount of tops of the crude oil, and the unsaturation of the tops. As shown in the table, the specific gravity of the various samples of oil obtained from different parts of the core varies from .953 to .921, the average being .931. The per cent of tops varies from 44.8% to 40.0%, the average being 41.5%. The unsaturation of the tops varies from 38.0% to 41.0%, the average being 39.2%. The specific gravity, tops, and unsaturation of tops of a great many other samples of oil from this same formation are near these averages.

* For explanation and interpretation of analytical distillation results and motor fuel index numbers, see Gavin, M. J. Analytical Distillation of Typical American Shale Oils, Bureau of Mines, Reports of Investigations, Serial Number 2332, April, 1922.

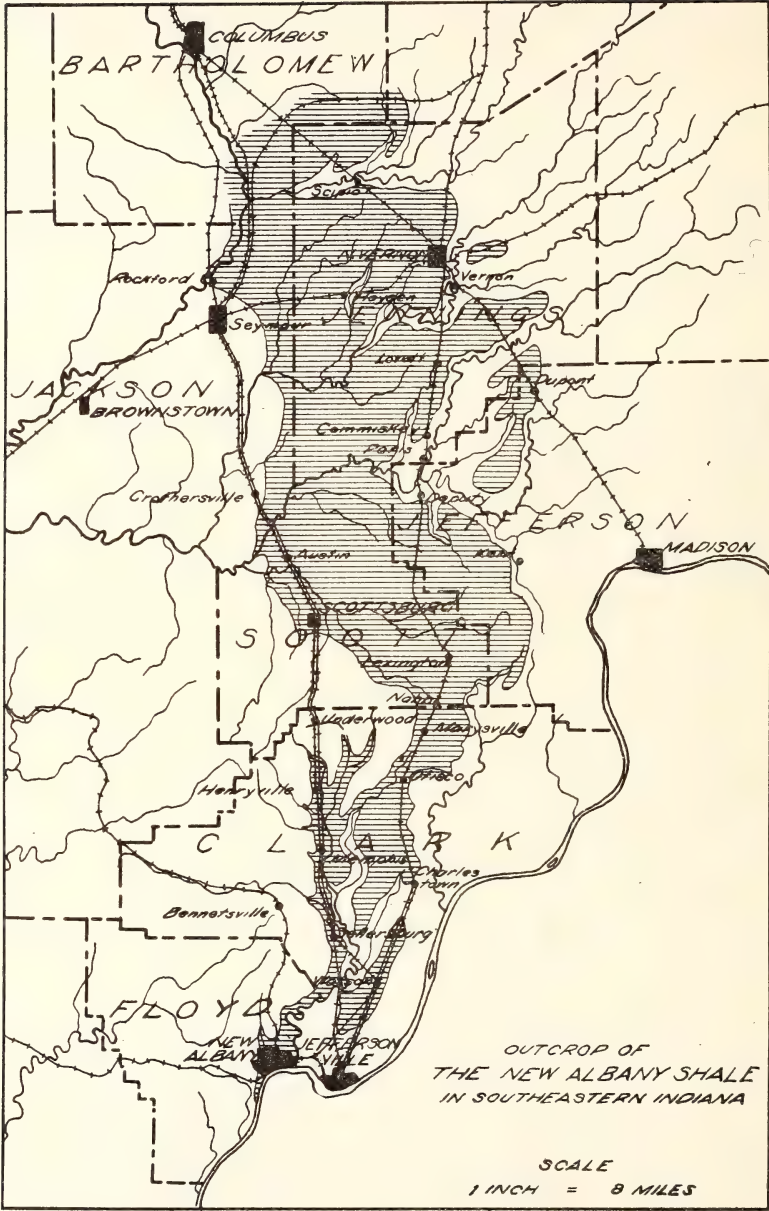


TABLE OF ANALYSES OF NEW ALBANY SHALE FROM
DRILL CORE

FEET OF CORE	Vola- tile	Ash	Water	Sul- phur	Fixed Carbon	Gallons Oil	Specific gravity	Tops	Unsatura- tion Tops	Index Number
4' 11" to 6' 8"	15.71	74.30	1.71	1.93	6.35	13.20	.....	.....	.....	.....
6' 8" to 8' 4"	14.88	76.53	1.08	2.65	4.86	.....	.....	.....	.....	.....
8' 4" to 10'	14.61	77.24	0.95	5.83	1.37	11.00	.937	.....	.....	.....
10' to 11' 8"	14.09	78.21	1.28	4.49	1.93	.....	.....	.....	.....	.....
11' 8" to 15'	14.71	79.82	1.11	4.81	1.84	.....	.....	.....	.....	.....
15' to 16' 8"	13.06	79.95	1.08	4.92	0.565	.....	.....	.....	.....	.....
16' 8" to 18' 4"	13.40	80.59	0.95	5.42	0.99	10.50	.937	40.40%	38.00%	25.04
18' 4" to 20'	15.19	76.93	0.88	3.20	.....	.....	.....	.....	.....	.....
20' to 21' 8"	13.78	79.72	0.87	4.91	3.80	12.5	.930	.....	.....	.....
21' 8" to 23' 4"	14.47	78.86	0.88	4.46	0.72	.....	.....	.....	.....	.....
23' 4" to 25'	15.34	77.40	0.88	4.46	1.33	13.2	.931	40.60%	41.00%	23.95
25' to 26' 8"	14.01	78.90	0.79	5.14	1.92	.....	.....	.....	.....	.....
26' 8" to 28' 4"	14.19	78.93	0.73	5.86	1.16	12.70	.953	.....	.....	.....
28' 4" to 30'	15.78	76.07	0.78	5.46	0.29	.....	.....	.....	.....	.....
30' to 31' 8"	17.76	75.32	0.85	5.82	1.91	13.42	.....	.....	.....	.....
31' 8" to 33' 4"	17.30	77.39	0.80	4.91	0.25	.....	.....	.....	.....	.....
33' 4" to 35'	17.14	79.37	1.05	3.73	.....	11.4	.933	40.00%	40.00%	24.00
35' to 36' 8"	14.21	78.93	1.02	4.91	.....	11.40	.....	.....	.....	.....
36' 8" to 38' 4"	11.55	84.87	0.97	3.32	0.91	.....	.....	.....	.....	.....
38' 4" to 40'	11.12	86.10	0.94	2.50	.....	8.65	.....	.....	.....	.....
40' to 41' 8"	11.78	85.72	0.96	2.95	.....	.....	.....	.....	.....	.....
41' 8" to 43' 4"	13.73	82.79	1.02	2.45	.....	7.20	.....	.....	.....	.....
43' 4" to 45'	11.55	86.07	0.92	0.97	.....	10.00	.922	44.80%	38.00%	27.77
45' to 46' 8"	12.75	83.70	1.05	3.07	.....	7.45	.....	.....	.....	.....
46' 8" to 48' 4"	13.62	82.00	1.18	2.81	.....	.....	.....	.....	.....	.....
48' 4" to 50'	11.97	84.87	1.41	2.10	0.37	8.40	.....	.....	.....	.....
50' to 51' 8"	10.47	86.26	1.34	2.01	.....	.....	.....	.....	.....	.....
51' 8" to 53' 4"	10.80	87.33	1.15	1.95	.....	7.2	.....	.....	.....	.....
53' 4" to 55'	9.75	88.71	0.97	1.50	.....	4.8	.921	.....	.....	.....
55' to 56' 8"	9.57	88.15	1.28	1.70	.....	1.9	.....	.....	.....	.....
56' 8" to 58' 4"	10.08	87.06	1.29	1.90	.....	2.9	.....	.....	.....	.....
58' 4" to 60'	10.55	85.35	1.50	2.92	.....	.....	.....	.....	.....	.....
60' to 61' 8"	9.98	88.52	0.99	1.22	.....	3.85	.....	.....	.....	.....
61' 8" to 63' 4"	11.10	87.01	1.07	1.80	.....	.....	.....	.....	.....	.....
63' 4" to 65'	11.01	86.97	1.01	2.11	.....	8.4	.....	.....	.....	.....
65' to 66' 8"	9.79	88.07	0.98	1.67	.....	.....	.....	.....	.....	.....
66' 8" to 68' 4"	9.87	88.26	1.24	1.80	.....	7.2	.928	40.00%	38.00%	24.80
68' 4" to 70'	10.22	87.80	1.05	1.48	.....	.....	.....	.....	.....	.....
70' to 71' 8"	10.58	86.59	1.08	2.18	.....	4.4	.....	.....	.....	.....
71' 8" to 73' 4"	10.42	88.21	1.26	2.00	0.11	.....	.....	.....	.....	.....
73' 4" to 75'	11.43	85.33	1.32	2.13	.....	4.8	.....	.....	.....	.....
75' to 76' 8"	9.38	87.88	1.15	2.09	.....	6.40	.....	.....	.....	.....
76' 8" to 78' 4"	9.06	86.70	1.42	1.87	0.95	.....	.....	.....	.....	.....
78' 4" to 80'	9.83	86.95	1.05	2.80	.....	5.20	.....	.....	.....	.....
80' to 81' 4"	10.40	88.64	0.62	2.04	.....	.....	.....	.....	.....	.....
81' 4" to 83' 8"	10.62	87.02	1.12	1.83	.....	6.00	.923	43.20%	40.00%	25.92
83' 8" to 85'	10.30	87.09	0.98	2.38	.....	.....	.....	.....	.....	.....
85' to 86' 8"	8.75	87.98	1.01	1.93	0.33	.....	.....	.....	.....	.....
86' 8" to 88' 4"	8.85	89.23	0.79	2.07	.....	6.40	.....	.....	.....	.....
88' 4" to 90'	9.89	87.27	1.21	2.23	.....	7.6	.....	.....	.....	.....
90' to 91' 8"	11.57	85.93	1.10	2.67	.....	.....	.....	.....	.....	.....
91' 8" to 93' 4"	11.56	83.95	1.10	2.12	1.27	.....	.....	.....	.....	.....
93' 4" to 95'	13.13	83.19	1.08	1.92	0.68	9.2	.924	41.60%	38.00%	25.79
95' to 96' 8"	18.00	79.60	1.00	1.94	.....	.....	.....	.....	.....	.....
96' 8" to 98' 4"	15.21	81.97	1.74	1.05	0.03	.....	.....	.....	.....	.....
98' 4" to 100'	14.62	82.42	1.39	1.57	.....	9.2	.....	.....	.....	.....
100' to 101' 8"	16.89	81.49	1.21	1.59	.....	.....	.....	.....	.....	.....
101' 8" to 103' 4"	15.58	78.95	1.29	1.97	2.21	9.2	.....	.....	.....	.....

THE PEAT DEPOSITS OF INDIANA

W. N. LOGAN, State Geologist

One of the important mineral resources of Indiana is comprised of its peat deposits, of which there is little general knowledge. The development of this resource as a fuel has been retarded largely because

of the abundance of other types of fuel, and partly because of other less prominent limiting factors.

At the time of the coming of the early pioneers to the territory of Indiana, about 85 per cent of its area was covered with forests containing an immense growth of timber. The remnants of these gigantic forests still continue to contribute to the state's fuel requirements, and though greatly depleted they still supply a considerable part of our fuel needs.

At a later period in the history of Indiana our rich coal deposits were discovered and subsequently developed through the influence of the iron and other associated industries. This developed resource has added greatly to our fuel supply.

Later on came the discovery of natural gas and petroleum within the state in abundance and these natural products served to still further meet the demands for fuel. All of these were supplied to the consumer, until within recent years, at a very low cost. Through it all there has been little necessity for exploiting peat as a fuel. Such has been our fuel situation up to the present time and such, with one exception, the situation may continue for a considerable period. The one exception, at least, is that there will be no more fuel at low cost to the consumer as has been true in the past. The fuel resources of Indiana are being depleted rapidly. The forests have all but disappeared, the natural gas and petroleum supplies are waning, the most accessible and economically minable coal beds are being exploited. The time may not be far distant when we will be driven by rapidly increasing prices to seek other sources of fuel supply; for as our fuel supplies wane our fuel demands increase. The present high price of coal has forced the use of peat in some localities.

In 1900 Indiana produced about six and one-half million tons of coal and in 1920 our production was nearly five times as much, being thirty million tons. Within the same period our per capita production had increased from less than three tons to about ten tons.

These increasing demands being made upon our fuel supplies should serve to draw our attention to those possible latent supplies which grim necessity may force us to exploit in the not far distant future.

But, however, important the peat of Indiana may prove to be as a fuel, it is probably not in this capacity that it will be found to be of greatest value to the state. Its potential value may be greatest in its usefulness to agriculture. Large areas of our soils have been depleted of essential plant foods. These essential elements must be restored in order that the productivity of our lands may not fall below the point of profitable farming. Our peat deposits lie easily accessible to large areas of good farming lands. They are often closely associated with beds of calcareous marl, which are useful in destroying soil acidity and in producing conditions favorable to cultivation and the fixation of nitrogen.

Distribution.—The peat deposits of Indiana are located principally in the three northern tiers of counties, lying between the Wabash River and the northern boundary of the state. These deposits lie largely within the area covered by the Wisconsin drift, though there are some isolated areas

beyond the Wisconsin in the Illinoisan drift and minor deposits in the driftless area.

In quantity of peat, the ten leading counties in order of their rank are:

- | | |
|---------------|--------------|
| 1. St. Joseph | 6. Elkhart |
| 2. Kosciusko | 7. Lake |
| 3. Starke | 8. Noble |
| 4. Steuben | 9. Jasper |
| 5. Marshall | 10. Lagrange |

Origin.—The peat deposits of Indiana have accumulated in the basins of lakes and former lakes, in marshes, to a very limited extent in the abandoned channels of streams and in depressions formed by the shifting of sand dunes and in depressions formed by the damming of stream channels by shifting sands.

In northern Indiana where the glacial drift reaches its maximum thickness there exist on the surface of the drift numerous depressions which have given rise to lake basins and marshes in and around which the vegetation forming the peat had its growth. This process of vegetable accumulation which had its inception with the retreat of the glacial ice is still in progress. However, there are grounds for the belief that the rate of accumulation is slower now than formerly. There are at least two factors which may have influenced the change. In the first place it seems probable that at sometime after the retreat of the ice climatic conditions were more favorable to the growth and accumulation of vegetation than during the present climatic period. The second factor lies in the changes produced by man. These changes are found in the cutting of the forests, the draining of lakes and swamps, lowering the water table, and the cultivation and pasturing of low-lying areas.

Favorable Conditions for the Accumulation of Peat.—The essential conditions for the growth and accumulation of peat forming vegetation are largely topographic and climatic.

Topographic Conditions.—The essential topography is that which presents an area pitted with depressions bounded by higher lands, depressions in which the run-off of the region may be stored. The glacial drift region of the northern states presents such a topographic area. The finger, kettle hole, and other forms of depressions left by the retreat of the ice formed the basins for the numerous lakes of Indiana and the neighboring states. It is in and around these basins that the proper moisture conditions were found for the growth and preservation of the different forms of vegetation which contributed to our peat deposits.

Climatic Conditions.—Some of the essential climatic conditions are: A relatively high humidity, a medium annual temperature, a moderate length of summer season, the absence of strong prevailing winds, and a moderately low summer temperature. The humidity of the region must be such as to maintain a fairly constant supply of water, so that there will not be a very great variation in lake or ground water level. There must be present at all times in the depressions of accumulation a sufficient supply of moisture to produce favorable growth and to protect the

accumulating vegetation from too rapid decay. No deposits of peat of consequence have been formed in arid or semi-arid regions. Not only must there be an abundance of moisture, but its supply must not be intermittent.

Extremely high temperature are not conducive to the formation of peat deposits, even in the presence of abundant moisture as in the tropics and semi-tropics. This condition is due, probably, to the fact that high temperatures are favorable to vegetable decay, being conducive to rapid oxidation and to bio-chemical changes, which are held in check by lower temperatures.

Long summer seasons are favorable to plant growth, but on the other hand they are accompanied by higher temperatures, which are favorable to plant decay. Short summers are not favorable to extensive plant growth. It is the happy mean between these two extremes which seems to be the most favorable for the formation of peat.

Where strong winds prevail in lake regions the vegetation which grows on the surface and in the shallow water is broken up by the waves and tossed upon the shores to decay. Thus vigorous wave action prevents the formation of peat beds.

Thus we owe our peat deposits to the fact that the northern part of Indiana is favorably situated with reference to topography and to climate.

Varieties of Peat.—Considering the predominant type of vegetation, there are two varieties of peat in Indiana. The first is a moss variety composed largely of the fibers of the moss, *Spagnum cymbifolium*, but containing smaller quantities of other mosses and other plants. This variety has a higher fuel value than the grass-sedge variety, which is made up largely of grasses, sedges and other coarser plants. These two varieties grade into each other so that a great many sub-types could be named. Several other classes or types could be named, such as bog peat, swamp peat, tuff peat, muck and others. Johnson's classification includes the common types in Indiana. These varieties are: 1. Turfy peat, composed of slightly decomposed mosses and other peat-producing plants, having a yellow or yellowish brown color, very soft, spongy and elastic; specific gravity, 0.11 to 0.26, weighing from 7 to 16 pounds per cubic foot. 2. Fibrous peat, unripe peat which is brown or black in color, less elastic than turfy peat, the fibers either of moss, grass roots, leaves or wood, distinguishable by the eye, but brittle and easily broken; specific gravity, 0.24 to 0.27, weight from 15 to 42 pounds per cubic foot. 3. Earthy peat, nearly or altogether destitute of fibrous structure, drying to earthlike masses which break with more or less difficulty, giving lusterless surfaces of fracture; specific gravity, 0.41 to 0.90, the full cubic foot weighing from 25 to 56 pounds. 4. Pitchy peat, dense; when dry, hard; often resisting the blows of a hammer, breaking with a smooth, sometimes lusterless, fracture into sharp-angled pieces; specific gravity, 0.62 to 1.03, weighing from 38 to 65 pounds per cubic foot.

Properties.—The color of Indiana peat varies from light brown to pitch black, though dark brown is the prevailing color at the surface of

the deposit and black in the lower portion of the deposit. The color of many of the muck deposits is bluish-black when wet and dark gray or brown when dry.

Specific Gravity.—The specific gravity of Indiana peat ranges from 0.11 to 1.02 and its weight per cubic foot from 7 to 65 pounds.

Composition.—The average of the analyses of five samples of Indiana peat which were analyzed by Dr. R. E. Lyons, of Indiana University, exhibits the following chemical composition:

Water at 105 C.	11.99%
Volatile matter, air dried.....	88.49
Fixed carbon	22.00
Coke	31.51
Ash	9.51
Nitrogen	2.99
Sulphur, oven dried.....	.74
Phosphoric acid in ash.....	1.36
Potash in ash.....	1.22

Fuel Value.—The fuel value in British Thermal Units of 55 samples of Indiana peat was determined by Lyons and Cooper. The lowest recorded B. T. U. value was 4,542 and the highest in the 55 samples was 10,466. The average was 8,469 B. T. U.

Uses.—Indiana peat may be used for a variety of purposes. Among others may be mentioned fuel, in the manufacture of gas, as a fertilizer and fertilizer filler, in the manufacture of peat mull, as an absorbent, for packing purposes, in the manufacture of paper and paper boards, as a stable litter, and in the preparation of stock food.

As a fuel, the better grades of Indiana peat may be used. The calorific power of air-dried peat is a little more than half that of anthracite coal. The kiln-dried peat has about the same calorific value as dry lignite or about seventy per cent of that of anthracite coal. The heating value of one pound of the best coal of Indiana is equal to the heating value of 1.26 pounds of oven-dried Indiana peat.

Peat charcoal and peat coke, both of which are useful in metallurgical processes, may be manufactured from Indiana peat.

Gas has been manufactured from peat. The composition of the gas obtained from the use of peat is very similar to the composition of the gas obtained from the use of coal except that there is an absence of phosphorus and sulphur in peat gas.

Peat fiber, or peat litter, is prepared from peat by the removal of the finer particles and the earthy matter. The peat fiber may be used as an absorbent and deodorizer in stables and slaughter houses, containing liquids of fertilizing value which it is desirable to conserve. It is also used as an absorbent for the uncrystallized residues from beet and cane sugar refining.

Peat fiber may also be used in the manufacture of paper and fiber boards. In the manufacture of stock food, peat is dried, partly carbonized, screened and reduced to a powder which contains about ten per cent of moisture. The powdered peat may be used to absorb liquid foods or may be mixed with dry ingredients.

As a fertilizer, peat may be applied directly or it may be used as fertilizer filler. This is one of the most important uses to which the peat of Indiana can be applied. The peat of Indiana contains about three per cent of nitrogen and smaller amounts of potash and phosphoric acid, all essential plant foods.

Peat may be used as a base for complete commercial fertilizers containing phosphorus and potash compounds. It may be used, also, as a culture medium for the growth and distribution of nitrogen-fixing bacteria in the soil. The soluble nitrogen content of peat may be greatly increased by treating the peat with a dilute solution of ammonium sulphate and then inoculating it with nitrifying bacteria. By repeated treatments it may be made to yield as much as 4 per cent of nitrates.

The fertilizing effects may be increased by adding tricalcium phosphate to the bacterized peat, which when applied to the soil may react in such a way as to free its natural potash content.

The accessibility of peat and marl deposits to excellent farm lands in Indiana and the low expense of applying these products to the land should render these resources of very great value to the agricultural interests of the state; and I am hopeful of a more extended use of them in the near future.

The writer desires to acknowledge his indebtedness to written and published papers of Davis, Taylor, Johnson, Soper, and Osbon, especially to "The Peat Deposits of Northern Indiana," by A. E. Taylor, Ind. Geol. and Nat. Res. 31st Ann. Rept. 1906, and to the discussion of peat in Indiana by E. K. Soper and C. C. Osbon in Bulletin 728, United States Geological Survey, the proofs of which articles were furnished the writer through the kindness of Mr. Clarence C. Osbon.

REPORT OF THE DIVISION OF ENTOMOLOGY

FRANK N. WALLACE, State Entomologist, Chief of Division.

HARRY F. DIETZ, Assistant Entomologist.

EVERETT SMITH, Inspector of Nurseries.

FRANK B. WADE, Deputy Nursery Inspector.

CHARLES O. YOST, Chief Inspector of Apiaries.

THOMAS C. JOHNSON, Deputy Bee Inspector.

JAMES E. STARKEY, Deputy Bee Inspector.

WILLIS A. FONNER, Deputy Bee Inspector.

DAVID FELLOWS, Deputy Bee Inspector.

BENJAMIN H. WILKINS, Deputy Bee Inspector.

HELEN WARREN SEEGER, Clerk and Stenographer.

The Division of Entomology inspects all nurseries in the state and issues certificates of inspection to those whose stock is free from injurious insect pests and plant diseases. In some instances where stock is slightly infected and it is possible, by fumigation or other treatment, to kill the insect pests or eliminate the diseases a treatment is prescribed and the owner is required to sign an affidavit that same has been carried out. Certificates were refused to a few nurseries in the state this year.

Many greenhouses are given inspection and those shipping plants to states which require inspection tags on greenhouse stock are given a certificate of inspection if their stock is free from injurious insect pests and plant diseases. The greenhouse inspection has been of great benefit to the owners, as it has familiarized them with the pests and diseases of greenhouse plants so that they now recognize the injury in its early stages and take steps immediately to clean up their houses. Another advantage to the greenhouse man is his ability to recognize clean stock when buying from other states. Now, if the stock is not clean he returns it and thus prevents a new infestation in his own ranges.

The regulation of nursery agents and dealers is a phase of our work which grows in popularity each year. The orchards planted during the past ten years are now coming into bearing and the owners find they have the varieties they ordered. Years ago nursery dealers often brought in the cull trees from out of the state and sold them. This practice has been stopped. It is seldom that the agents and dealers attempt to use unlawful methods. If they do the office revokes their license or refuses to issue a new one when the old one expires. There were 626 licenses issued during the past year.

The demand for information concerning the control of household insects increases each year. Formerly people accepted ants, cockroaches, fleas, mosquitos, etc., as necessary evils. Now the calls for assistance run into the thousands each year and this phase of work takes a large part of our time.

The apiary inspection is now the best it has ever been. The beekeepers are co-operating with the inspectors. Beekeeping is very profitable when the brood diseases can be controlled, and the Indiana beekeepers now realize that with modern methods of beekeeping and watchfulness it is possible to keep their yards free from disease.

NURSERY INSPECTION

Indiana nurserymen have been having trouble the past year in their efforts to keep San Jose scale (*Aspidiotus perniciosus* Comstock) out of their nurseries. This scale pest has become so widely disseminated that the nurserymen must be continually on their guard to keep it from gaining a foothold. We found traces of it in several nurseries, but in every instance the nurserymen had realized the danger and were taking every precaution to eradicate it; some of them even going to the extent of destroying a whole block of trees so as to absolutely get rid of the scale before it had a chance to spread to other parts of the nursery.

The pine scale (*Chionaspis pinifoliae* Fitch) is also becoming a serious pest in the nursery and there is more danger of this spreading, as the conifers cannot be fumigated before they are shipped from the nursery so that the nurserymen must clean up the scale by spraying. This scale passes the winter in the egg stage and is harder to kill by spraying at that time than in the summer. The most effective time to spray is just after the eggs hatch, as the young scales do not have a heavy coating of wax and the spray material easily penetrates the slight wax covering and kills them. I believe that the nurserymen have done this spraying, but I would advise everyone purchasing pines or

spruces to examine them carefully for little white specks on the leaves. If any evidence of this scale is found send a sample to the office before the trees are planted.

In one of the nurseries the juniper scale (*Diaspis carueli* Targioni) was found this year for the first time in a nursery, although I have previously found it in a planting of evergreens at Muncie. These trees were all thoroughly sprayed and the scale destroyed, but undoubtedly it has come in on other trees from some of the eastern nurseries and doubtless will become established in the state. There has been a heavy demand for coniferous trees for ornamental planting and some of our nurserymen have taken up the culture of this class of stock. Pine and juniper scales are serious enemies of coniferous trees and nurserymen should be careful when purchasing lining-out stock to see that their stock is absolutely clean before planting in the nursery.

In the northern part of the state the strawberry leaf roller (*Ancylis comptana* Frolich) became a very serious pest in the berry patches and caused the men who grow plants for sale a lot of work in their efforts to eradicate it from their fields. Spraying was not very effectual this year and some of the growers even went to the extremes of going through fields and picking off all the leaves containing the larvae of this pest. In the central and southern parts of the state there seems to be an entire absence of this pest this year although in previous years it had been a very serious pest in the central part of the state.

There were 243 nurseries which were given a certificate of nursery inspection entitling them to sell nursery stock this season. In this list of nurseries we are putting the amount of acreage which the nurseryman is actually using in the growing of his stock. We have had some complaints in previous years of firms misrepresenting the size of their nurseries and by requiring the nurserymen to put the acreage on their shipping tags this trouble should be eliminated.

All purchasers of nursery stock should read their contracts carefully. The laws of Indiana require that any person or firm selling or taking orders for nursery stock in this state shall take out a license. He shall carry this license and show to anyone asking to see it. Under this plan the office has been able to stop many of the crooked methods practiced in former years by nursery agents. Each year we receive fewer complaints of nursery swindles and if each purchaser will read the order carefully before signing we would have very little of it now. Almost all nursery contracts have a clause which states "there is no other contract either verbal or written." When the purchaser signs such a statement it offsets any promise which the agent may make and the purchaser cannot have any recourse but to abide by the contract as signed.

A nursery firm sold many orchards in this state a few years ago under a guarantee to prune and spray the orchards for three years. This firm operated under the name of the National Nursery Company, of McMinnville, Tennessee, and Spencer Bing was alleged to be the proprietor. They did live up to their contracts in one county, at least, so that they could get some recommendations. They have since sold nursery stock in many counties and I cannot find any place where they

have been back in two years. The people have the nursery stock, but they paid too much for it. Now they have no way to collect the difference or to force the firm to come back and give them service as Mr. Bing has changed his firm's name slightly and presumably is not responsible for the old firm's contracts.

Read your contracts, see that the varieties you order are specified, and see that the price is on the contract before you sign it.

This year we found a new clause in several nursery contracts, whereby the firm asks the purchaser to sign a release of his rights for protection from the laws of the state. If this contract was taken into court the clause would not be legal but it shows that any firm using such a contract must be attempting to evade the law or it would not ask a purchaser to sign such a ridiculous contract. I would advise all citizens of the state to refuse to do business with any nursery firm that would place such a clause in its contract.

INDIANA NURSERYMEN—1921

Name	Town	Cert. No.	Kind of Certificate	Acres
Abraham, Omer R.,	Martinsville, R. R. 1	116	General nursery stock	1
Allen, Chas. B.,	West Baden, R. R. 2	174	Small fruits	$\frac{1}{2}$
Allison Brothers,	Columbus, R. R. 4	127	Small fruits	$2\frac{1}{2}$
Alspaugh, L. L.,	Akron, R. R. 4	195	Small fruits	$\frac{1}{2}$
Andrews, Mrs. E. J.,	Warsaw	137	Norway Spruce	$\frac{1}{4}$
Armstrong, Andrew,	Odon, R. R. 2	105	Black raspberry	1
Barnard, C. H.,	Westville, R. R. 1	151	Strawberry plants	$1\frac{1}{2}$
Baur and Steinkamp,	Indianapolis	12	Greenhouse stock	65,000 sq. ft. glass
Beck, E. H.,	Michigan City, R. R. 1	198	Small fruits	4
Beckner, H. G.,	Greenfield	235	General nursery stock	$\frac{1}{4}$
Becktell, R. H.,	New Buffalo, Mich. R. 1	211	Small fruits	3
Beer, Henry,	Milford, R. R. 2	204	Strawberry plants	$\frac{1}{2}$
Bennett's Nurseries,	Lafayette	126	General nursery stock	10
Bennett, Robert A.,	Grandview	41	Small fruits	6
Bertermann Bros. Co.,	Indianapolis	194	Ornamentals	150,000 sq. ft. glass
Bierly, Jacob,	Borden	3	Small fruits	8
Bierly, Otis R.,	Borden, R. R. 2	19	Strawberry plants	$\frac{1}{2}$
Blankenbaker, D. O.,	Borden, R. R. 2	17	Strawberry plants	1
Blizzard, Wm. E.,	Greensfork	192	General nursery stock	$1\frac{1}{2}$
Bloomfield Nurseries,	Bloomfield	124	General nursery stock	3
Bogue, B. P.,	Fairmount	64	Raspberry plants	1
Boller, A. A.,	Francesville, R. R. 2	132	Small fruits	4
Bonames, G. W.,	Milltown	175	General nursery stock	$\frac{1}{4}$
Brammer, John E.,	Burns City, R. R. 2	130	Black raspberry	1
Brant, J. R.,	Hessville, R. R. 1	159	Small fruits	8
Brems, Chas. and Bro.,	Knox, R. R. 3	118	Small fruits	$\frac{3}{4}$
Brindley, A. F.,	Bristol	145	Grape vines and small fruits	$5\frac{1}{2}$
Brown, David A.,	Mishawaka, R. R. 2	147	Raspberry plants	$1\frac{1}{2}$
Brown, James,	Borden	73	Small fruits	$2\frac{1}{2}$
Buck, H. F.,	Elberfeld, R. R. 2	32	Apple stock	1
Burgess Nursery,	DePauw, R. R. 1	11	Peach trees	$\frac{1}{10}$
Burkhart, Henry,	Indianapolis, R. R. E.	181	General nursery stock	20
Burns, W. O.,	Pekin, R. R. 3	69	Small fruits	3
Burns City Nursery,	Burns City	52	General nursery stock	75
Burt, Charles J.,	Warsaw, R. R. 7	208	Strawberry plants	1
Bush, Aaron,	Marion, R. R. 1	44	Grape vines	$\frac{1}{4}$
Butler Nurseries,	Tiptecanoe	164	Grape vines and privet	$\frac{1}{4}$
Bywater, William,	Borden, R. R. 2	140	Peach trees and small fruits	$\frac{1}{2}$
Cable, Elmer,	Warsaw, R. R. 3	224	Strawberry plants	$\frac{1}{4}$
Cain, Aldo E.,	Dublin	63	Small fruits	7

INDIANA NURSERYMEN—1922—Continued

Name	Town	Cert. No.	Kind of Certificate	Acre
Cain, W. D., Jasonville, R. R. 2		111	Small fruits	10
Callahan, D. W., Pekin, R. R. 4		76	Strawberry plants	1
Callahan, P. H., Pekin, R. R. 2		78	Small fruits	2½
Campbell, Harry I., Warsaw, R. R. 7		226	Small fruits	1¾
Cato, Thomas, New Harmony		185	Gate trees	¼
Caugill, Chas. E., Auburn		75	Perennials	¼
Childer, George W., Hardinsburg		196	Small fruits	½
Coats, Marion, Borden, R. R. 3		182	Peach trees and small fruits	3
Collins, Lamar, Underwood, R. R. 2		123	Black raspberry	1½
Columbus Flower Gardens, Columbus		148	Ornamentals	10
Columbus Nursery and Fruit Farm, Columbus, R. R. 5		128	General nursery stock	2
Cooper, J. H., Knox		156	Strawberry plants	¼
Corydon Nursery, Corydon, R. R. 3		8	General nursery stock	1
Courtpetter, J. F., Southport		98	Strawberry plants	1
Crawford, Mrs. Wm., Laporte		155	Ornamentals	¼
Crawn, W. R., Angola, R. R. 3		54	Strawberry plants	¼
Cutler, D. L., Warsaw, R. R. 7		207	Strawberry plants	2½
Davis and Sons, John S. Knox, R. R. 3		157	General nursery stock	2½
Delph, E. H., Muncie, R. R. 8		15	Strawberry plants	¼
Dietrich and Feeler, Pekin, R. R. 3		70	Small fruits	2½
Dorner and Sons Co., F., Lafayette		1	Greenhouse Stock	100,000
				sq. ft. glass
Durham, Jess W., Borden		62	Small fruits	2
Eaton, John L., Burns City		108	Small fruits	3
Edwards, R. S., Spencer		13	Strawberry plants	1
Eichoff & Sons, Mrs. H. C., Indianapolis, R. R. P.		57	Shade and ornamentals	6
Elwood Nursery, Elwood, R. R. 2		171	General nursery stock	2
Evansville Nursery Co., Evansville		45	General nursery stock	40
Everett, Joe W., Hamilton		56	General nursery stock	3
Fairview Gardens, Elnora		97	Shade trees	1
Farmers Nursery and Fruit Farm, Burns City		49	General nursery stock	7
Fawkes, M. G., Fremont		66	Small fruits	1
Fendel and Squier, Rockport, R. R. 1		173	Strawberry plants	4
Fisher, John F., Medora, R. R. 2		35	General nursery stock	1
Fleck, Nicholas, Plymouth		163	Strawberry plants	1
Fletcher, S. A., Indianapolis, R. R. K-1		220	Shade trees and ornamentals	3
Flory and Sons, A. E., Logansport, R. R. 11		119	Small fruits	3¼
Flory, D. M., Logansport, R. R. 11		191	General nursery stock	22
Fonner, W. A., Decatur, R. R. 7		25	Strawberry plants	¼
Freeman and Sons, F. C., Portland, R. R.		143	Ornamentals	2
Fry Brothers, Lafayette		74	Small fruits	13
Fullhart Nursery, The, Muncie, R. R. 5		153	General nursery stock	20
Gaar Nursery Co., Cambridge City		233	General nursery stock	15
Gaar, W. H., Pershing		189	General nursery stock	1
Gainey and Sons, S. C., Doans		141	Peach trees	1
Gantner, Carl H., Evansville		33	Perennials and ornamentals	5
Garber, Dan M., North Webster		112	Strawberry plants	1
Garner, A. T., Mishawaka		146	Small fruits	1
Gleason, J. H., South Bend		92	General nursery stock	½
Glingie, George, Bourbon		135	Small fruits	1
Graham, Charles F., Jeffersonville, R. R. 2		134	General nursery stock	¼
Gray, Dan M., Pekin, R. R. 3		72	Small fruits	2
Gray, Raymond, Pekin, R. R. 3		71	Small fruits	3½
Gray, Sam W., Pekin, R. R. 3		61	Small fruits	5
Gray, W. T., New Philadelphia, R. R. 1		37	Peach trees	¼
Green's Fruit Farm, Portland, R. R. 7		23	Strawberry plants	½
Green, Henry J., Marengo		180	General nursery stock	¼
Hagen and Squier, Rockport, R. R. 2		178	Strawberry plants	4
Halleck's Nursery, Fair Oaks		232	General nursery stock	7
Hans, James, Anderson, R. R. 6		77	Small fruits	1
Hazen, Smith, Hatfield		34	General nursery stock	4

INDIANA NURSERYMEN—1922—Continued

Name	Town	Cert. No.	Kind of Certificate	Acres
Hedge, O. S., Indianapolis, R. R. O		59	Small fruits	1
Heffley, W. H., Logansport		136	Small fruits	2
Heller Bros., Co., Newcastle		240	Greenhouse stock	70,000 sq. ft. glass
Hill, E. G., Co., Richmond		2	Greenhouse stock and ornamentals	250,000 sq. ft. glass
Hill, Joseph H. Co., Richmond		7	Greenhouse stock	250,000 sq. ft. glass
Hillsdale Landscape Co., Indianapolis, R. R. K-1		212	Ornamentals	2
Hilty, John J., Berne, R. R. 4		24	Grape vines and small fruits	1
Hoagland, George I., Portland, R. R. 1		21	Peach trees and strawberry plants	1½
Hobbs and Sons, C. M., Bridgeport		58	General nursery stock	250
Hofreiter, Andy, New Harmony		184	Small fruits	1
Haas' Home Nursery, Terre Haute		18	General nursery stock	25
Hoosier Rose Co., Newcastle		241	Greenhouse stock	70,000 sq. ft. glass
Hoover, Moses, North Manchester, R. R. 5		167	Strawberry plants	¼
Hughes, George, Muncie		89	Ornamentals	1½
Indianapolis Plant and Flower Co., Indianapolis		218	Ornamentals	50,000 sq. ft. glass
Ireland, Charles A., Brownstown		16	Strawberry plants	1
Irvington Gardens, Indianapolis		216	Ornamentals	2
Irwin, T. J., Mount Vernon		186	Nut trees	¼
Jackson, Hamilton, Borden		114	Strawberry plants	2
James, W. D., Shelbyville, R. R. 3		205	Strawberry plants	½
Jarrett, J. A., Montpelier, R. R. 3		129	Shade trees and small fruits	1¼
Johnson, Aaron V., New Albany		6	Strawberry plants	1
Johnson, Jeff, Borden, R. R. 1		80	Strawberry plants	1½
Johnson, Wm. E., West Baden, R. R. 2		38	Raspberry plants	½
Jones, E. M., Mentone		131	Small fruits	3½
Keel, Thomas, Westville, R. R. 1		150	Small fruits	2½
Kellogg, R. M., Co., Poseyville		243	Strawberry plants	46
Knipe, Thomas L., Kokomo		227	Ornamentals	1
Knox County Nursery and Orchard Company, Vincennes, R. R. 2		29	General nursery stock	20
Kokomo Nursery, Kokomo		239	General nursery stock	3
Krider Nurseries, The, Goshen, R. R. 1		48	General nursery stock	75
Kutch, Kirby F., Odon, R. R. 2		106	Black raspberry	1
Lafayette Nurseries, West Lafayette		223	General nursery stock	3
LaHayn, William, Chesterton		158	General nursery stock	1
LaHue, W. R., New Salisbury, R. R. 1		193	Peach trees	¼
Laketon Nursery, Laketon		201	General nursery stock	6
Lakewood Barberry Farm, Osceola, R. R. 1		166	Ornamentals	2½
Landis, Moyne, Sidney, R. R.		152	Strawberry plants	1
Landis, Worthy, Angola, R. R. 3		213	Small fruits	2
Lemon, Fred H., and Co., Richmond		39	Greenhouse stock	50,000 sq. ft. glass
LeRoy, B. F., Laporte, R. R. 8		162	Small fruits	3½
Lewis, David G., Fairmount		42	General nursery stock	2½
Lightner, Mrs. O. E., Warsaw, R. R. 2		210	Small fruits	5
Long, Tom, Elnora		103	Small fruits	2½
Lovell, Henry, Borden, R. R. 1		113	Strawberry plants	1½
Lowry Nursery and Landscape Co., Indianapolis		238	General nursery stock	6
Loy, C. O., Penleton		161	Ornamentals and strawberry plants	¼
Lung and Son, Nicholas, Garrett R. R. 1		27	Strawberry plants	1½
Maple Hill Rose Farm, Kokomo		242	Ornamentals	½
Marengo Nursery, Marengo		172	General nursery stock	1½
Matthews, Fred, Pekin, R. R. 3		68	Small fruits	3½
Maurer, Frank, North Manchester, R. R. 3		142	Small fruits	5
McCloughan, B. E., Etna Green, R. R. 2		225	Strawberry plants	¼
McCoy's Nut Nursery, Lake		217	Nut and Shade trees	5
McKinley, Dennis, Borden, R. R. 1		88	Strawberry plants	1
McKinley, William, Borden, R. R. 1		84	Strawberry plants	1

INDIANA NURSERYMEN—1922—Continued

Name	Town	Cert. No.	Kind of Certificate	Acres
Miller Arthur F., Borden, R. R. 3		228	Strawberry plants	1½
Model Nursery, Bristol		165	Small fruits and shade trees	1
Moffit, Frank, Carmel		51	Strawberry plants	1
Moore, F. E., Wallen		28	Grape vines and ornamentals	¾
Morris and Son, T. H., Cloverdale, R. R. 1		53	General nursery stock	6
Mort, John, Warsaw, R. R. 3		209	Strawberry plants	1
Morton, John A., Floyd Knobs		133	Small fruits	16
Mull, Martin M., Borden, R. R. 2		221	Small fruits	4
Munger, Roscoe, Orland, R. R. 1		55	Small fruits	2
Murray, A. M., Goshen, R. R. 4		203	General nursery stock	¾
Murray, Clinton C., Jr., Rockport		93	General nursery stock	½
Nation's Plant and Fruit Farm, Macy, R. R. 3		120	Strawberry plants	¾
National Show Gardens, Spencer		121	Ornamentals	5
Neal, Frank, New Harmony		187	Gate trees	1½
Nicholson, Jack, Borden		81	Strawberry plants	¼
Oak Hill Cemetery, Evansville		47	Ornamentals	1
Orinoco Nurseries, Columbus, R. R. 1		4	Ornamentals	10
Osborn, John D., Carthage, R. R. 2		149	Strawberry plants	¾
Osborne, Alfred S., Odon, R. R. 2		104	Black raspberry	2
Osborne, Hayden, Burns City		107	Black raspberry	2
Osborne, James T., Burns City		109	Small fruits	2
Patterson, R. T., Bloomfield		110	Small fruits	2
Pickrell, C. E., Bristol, R. R. 2		231	General nursery stock	1
Platner, S. C., Mishawaka, R. R. 2		214	Small fruits	1½
Porter, W. H., Borden, R. R. 2		60	Strawberry plants	1½
Preble, A. C., Marion		237	General nursery stock	2
Princeton Nursery, Princeton		31	General nursery stock	25
Q and Q Fruit Farm, New Haven, R. R. 1		154	Grape and bush fruits	2
Ragle, Amos, Elnora, R. R. 2		100	General nursery stock	8
Ramsey Nursery, Ramsey, R. R. 1		9	General nursery stock	½
Rasmussen, A., New Albany		5	Ornamentals	½
Rathburn, Kenneth, Orland, R. R. 1		67	Small fruits	8½
Reed's Nursery, Hanover, R. R. 1		179	General nursery stock	3
Rettie, W. D., South Bend, R. R. 4		236	Ornamentals	2
Richland Nurseries, Bloomfield		95	General nursery stock	2
Ridgeview Nursery, Salem, R. R. 6		138	Small fruits	7½
Riverside Nursery, Berne, R. R. 1		222	General nursery stock	1
Roberson, O. S., Elnora		102	Strawberry plants	½
Rodgers, Eli, Bridgeport		14	Strawberry plants	3½
Roerk, F. M., Borden, R. R. 2		176	Small fruits	8
Roerk, T. J., Borden, R. R. 3		79	Strawberry plants	1¼
Schleicher, John, Borden, R. R. 2		139	Strawberry plants	¾
Schlichtenmyer, J. W., Brimfield, R. R. 1		26	Strawberry plants	10
Serogum, S. S., Goshen		168	Small fruits	½
Sharp, Gilbert L., Frankfort, R. R. 3		117	Small fruits	1
Shields Bros. Nursery, Charlottesville		65	General nursery stock	2½
Shields, Jesse, Portland, R. R. 4		22	Strawberry plants	¼
Shinn, A. B., Warsaw		183	Ornamentals	1
Shore, John W., Angola		229	Strawberry plants	¼
Simpson Landscape Nursery Company, Columbus, R. R. 2		10	Ornamentals	2
Sloan and Sons, James M., Washington		30	General nursery stock	5
Smith, J. E., Muncie		94	Peach trees and grape vines	½
Smith, Ernest, Borden, R. R. 1		85	Strawberry plants	3
Sroufe, C. H., Larwill, R. R. 1		206	Strawberry plants	¾
Stalker, J. M., Borden		144	Strawberry plants	3
Stanley, A. D., Indianapolis		46	Hardy perennials	1
Stiles, Edwin B., Martinsville, R. R. 6		115	Black raspberry	3
Stout, Floyd H., Indianapolis, R. R. O		96	Small fruits	1
Stuckey, G. M., Bremen, R. R. 2		190	General nursery stock	¾
Sturm and Son, C. C., Elizabeth		200	General nursery stock	¼
Swinda, William, Elnora		101	Strawberry plants	2

INDIANA NURSERYMEN—1922—Continued

Name	Town	Cert. No.	Kind of Certificate	Acres
Tate, Jacob, Mexico		230	Small fruits	1
Temple, Fred, Borden, R. R. 3		177	Small fruits	3½
Temperley's, Florists, Indianapolis		197	Greenhouse stock	20,000 sq. ft. glass
Tharp, Lew, Kokomo, R. R. 1		234	Small fruits	1½
Thornburg, G. H., Evansville		40	Ornamentals	5
Twin Cedar Nursery, New Salisbury, R. R. 1		91	General nursery stock	1
Vetter, Charles, Chesterton		160	Strawberry plants	1½
Vincennes Nursery Co., Vincennes, R. R. 2		50	General nursery stock	100
Vore, G. W., Peru, R. R. 8		170	Small fruits	2½
Wade, Fred Borden, R. R. 3		83	Strawberry plants	1
Wade, Morris, Borden, R. R. 1		86	Strawberry plants	¾
Walton Martin, Borden		82	Strawberry plants	¾
Warren, Daniel, Carmel, R. R. 1		215	Grape vines	1
Washington Nursery, Washington		199	General nursery stock	3
Waters, J. W., Fairmount R. R. 2		43	Small fruits	½
Weilbrenner, Carl, Mount Vernon		188	General nursery stock	2
West, George C., Goshen		202	Strawberry plants	1½
Whicker, Otto, Amo		125	General nursery stock	3
White, Harry, North Manchester		122	Ornamentals	½
Whitson, Chas. J., Borden, R. R. 1		90	Strawberry plants	½
Wilkinson, J. F., Rockport		219	Nut trees	1
Williams, P. C., Terre Haute, R. R. F		20	Small fruits	3
Williamson, E. B., Goshen, R. R. 1		169	Small fruits	2
Wilson's Nursery, Elnora		99	Black raspberry	2
Winchell, G. W., Tobinsport		36	Apple stock	1
Wright Brothers, Borden, R. R. 1		87	Strawberry plants	2

INSECT PESTS

Insect damage has not been as severe in Indiana this year as in the past few years. Certain pests have caused much damage in sections of the state but in the aggregate damage has not been as great from all pests.

Space prohibits the discussion of only a few of the serious pests and only those which were most destructive, or liable to become so, are described.

A FOREST PEST

The snow-white linden moth (*Ennomos subsignarius* Hubner) defoliated large areas in the central part of the state. In the northern part it was found in several localities but did not do as much damage as in central Indiana. This pest is on the increase in this state and we may expect to see more damage from it next year, and possibly the year after. However, in the larvae which we brought to the office for study we found about seventy-five per cent parasitized by some of the flies. It is quite probable that these parasites will control this pest within the next two or three years. The English sparrow kept this moth from becoming a very serious pest. In fact, the English sparrow was given the credit for almost eliminating it from some of the eastern states.

There is put one brood a year in Indiana. The adult moths are snow white with a wing spread of a little over an inch and a fourth. The female moth is a little larger than the male. The moths emerge from the middle of June to the last of July. The eggs are usually

laid on the underside of the branches and along the trunk of the trees. The eggs are about 1/25 of an inch in length, flattened on the upper end, and are laid in masses of twenty or more in an oblique angle to the bark. They hatch the following summer about the last week in April, but this date will vary with the location and the season. The larvae feed on the leaves of almost all trees in the forests and are full grown in about five weeks. The larvae are then about two inches long and look almost black. They are hairless and when disturbed have a habit of dropping from the tree, hanging suspended by a fine web which they use to climb back into the tree again. When full grown they pupate and into about two weeks emerge as the moth and lay eggs, thus completing the life cycle.

It is not practical to attempt artificial control in the forests. When they are noticed around homes in the country or in the cities the trees can be sprayed with two pounds of powdered arsenate of lead to fifty gallons of water. This should be done while the larvae are small.

This pest may appear in orchards in the infested areas and the orchard owners should watch carefully for its appearance. In orchards which are sprayed regularly it will probably not be necessary to give an extra spraying to poison these larvae. At times they appear in such great numbers that it may be necessary to put on an extra spray of arsenate of lead. The worms are voracious eaters and might strip the trees in a few days if there was not enough poison to kill the larvae while they are quite small.

PLANT LICE

Plant lice were very abundant during the past summer. The species most commonly reported to this office were: the wooly apple aphid (*Eriosoma lanigera* Thomas) on apple and elm; the apple-grain aphid (*Rhopalosiphum prunifoliae* Fitch) on apple just as the buds were opening; the rose aphid (*Macrosiphum rosae* Linnaeus) on roses; the pea aphid (*Illinoia pisi* Kallenbach) on garden and sweet peas; the cotton or melon aphid (*Aphis gossypii* Glover) on cucumbers, melons, and Rose of Sharon; the maple chaitophorus (*Chaitophorus lyropicta* Kess) on Norway and Hard Maple; *Drepanaphis acerifoliae* Thomas on soft or silver maple; the Spirea aphid (*Aphis spiraeella* Schoutenden) on Spirea Van Houttei; the gooseberry aphid (*Aphis houghtonensis* Throop) on gooseberries; the golden glow aphid (*Macrosiphum rudbeckiae* Fitch) on Golden Glow and Dahlias; the pine bark louse (*Chermes pinicorticis* Fitch) on white pine; the rusty-brown plum aphid (*Aphis setariae* Thomas) on plum; and the cockscomb elm gall aphid (*Colopha ulmicola* Fitch) on elm.

The life history of many species is very complicated but the control for most species is very simple. Thoroughly spraying infested plants with the following mixture is recommended: Black Leaf 40, one fluid ounce; fishoil soap, five ounces; and water, five gallons. Plant-lice have many natural enemies which often clean up an outbreak. Among these are the Ladybird Beetles, the larvae of the Syrphus-flies or "Sweat-bees" and a number of small parasitic wasp-like flies which lay their eggs directly in the bodies of the lice. The grubs developing

from these eggs eat out the vital organs of the lice. A parasitized louse swells up often two or three times its natural size and loses its natural color. Finally the skin of the louse hardens, forming a protection for the parasitic grub while it completes its development. When its growth is completed the parasite emerges as an adult through a small, round hole which it cuts in the hardened, dry skin of its victim.

TERMITES OR "WHITE ANTS"

Termites, or, as they are generally known, "white ants," have been brought to the attention of this office a number of times this year. The records of damage done is much higher than in previous years. However, termites often work in buildings several years unnoticed and are first observed when some striking damage has been done or when swarming takes place. Hence, the damage done can not be credited to a single year. During the spring and early summer all instances of termite swarming reported to this office were visited. Most of these were in Indianapolis. Several expensive homes were found to be seriously damaged, the amount of repairs necessary ranging in cost from \$500 to \$2,500.

Cases of termite damage are largely individual and the prevention of further injury to buildings and their contents is largely a matter of proper construction. The "white ants" that occur in Indiana differ from some of the tropical species, in that the Indiana species require a source of moisture in order to carry on their work. This source of moisture is invariably the ground. Hence the only general principle that can be laid down for avoiding "white ant" injury is to keep all wooden construction away from contact with the ground so placed that it may be readily examined from time to time. If this cannot be done wooden construction should be replaced with iron or concrete. Specific examples of what not to do, taken from cases where termites have caused serious loss, are as follows:

Never lay a wooden floor in direct contact with the ground on cinders. Cinders are no barrier to "white ants."

Never lay a concrete porch floor so that the cinders or gravel grout come into contact with framework of the building. A number of cases of termite damage have been due to this cause.

Hollow concrete blocks for foundation offer a means by which termites may gain entrance to the plates and framework of houses. The insects build earth covered galleries or tunnels up through holes inside the blocks to the wood. In cases where concrete blocks are used it is desirable to place a layer of solid blocks or bricks laid in cement either at the surface of the ground or above it. One of the cases where the most extensive damage to a dwelling had been done was to a house with a hollow concrete block foundation.

Never set wooden pillars below the ground level; let them rest on stone or cement several inches above the level of the ground or on a cement floor. In one building examined this year twelve by twelve inch wooden pillars supporting a heavy roof were seriously weakened by termites. These pillars went through a cement floor a foot into the ground.

Two species of termites, both native, occur in this state. Both are equally destructive. The life history and habits of both species are the same and the only difference between them noticeable to a layman is that of size.

Termites are not closely related to the true ants, although they bear a superficial resemblance to those insects and, like the true ants, live in colonies the members of which belong to different casts. These are the workers, soldiers, males and females or queens. The workers and soldiers are white, thin-skinned and blind. The soldiers are like the workers except that they have exceedingly large heads and powerful, oversized jaws. The queens are almost twenty times the size of the workers and soldiers and have large distended abdomens with a brownish ring separating the segments. The head and thorax and legs are brown. The males are about one-fourth the size of the females, of a general brownish color. Both males and queens have functional eyes. These forms are seldom seen by the layman and few entomologists have had the good fortune to obtain queens as well as males from a nest. However, this year these were obtained for the first time by this office.

But there is a form of "white ant" or termite with which the layman is familiar. This form is what is known as the winged colonizing adults. Under natural conditions in the life cycle of a colony these forms play an important role. When the nest becomes crowded and food threatens to become scarce swarming takes place, usually in the spring, but sometimes in the fall. The colonizing forms are not white except the large, fragile, glistening wings, which are in striking contrast to their black bodies. The swarm is made up of true functional males and females whose purpose it is to start new nests or colonies. Under natural conditions doubtless these swarms were effective, but when they issue in large, dry buildings the chances are that perhaps not more than one pair in a million fulfills its function. After mating the males and females shed their wings. Provisions for this procedure are made in the structure of the wings by means of a seam or suture near the point where they are attached to the body along which the wings break off.

The presence of a swarm of termites in a building may be regarded as a danger signal that the insects are working in the wood construction. Finding the points from which the swarm is coming often discloses the damage that is being or has been done.

HOUSE ANTS

Ants have been very troublesome household pests during the past year. Several species invade the housewife's pantry, ice-box and kitchen, but she is interested not in what kind of ants they are but how to get rid of them.

When ants are observed in the house the first thing to do is to find out where they are coming from. This can often be done by following the line of march of the ants to and from the food they are gathering. One of the common ants we have found in the household is the garden or cornfield ant, which builds its nest out-of-doors. Hence, locating the nest and destroying it will remove the trouble. On the

other hand, certain species, such as the small red house ant and carpenter ant, build their nests in the walls of the house and go on their foraging expeditions from these. If the nest can be located this can be killed out by injecting carbon bisulphide into it. The amount of carbon bisulphide to be used will depend on the size and location of the nest. Out-of-doors in the ground several holes six inches deep may be driven into a nest with a sharp-pointed stick and a fluid ounce of carbon bisulphide poured into each hole. The holes should then be sealed with a clod or with some wet soil and a wet blanket or several thicknesses of wet newspaper placed over the nest to prevent the escape of the fumes. Carbon bisulphide is a vile smelling liquid that evaporates quickly, giving off a gas which is about two and one-half times as heavy as air. Hence the gas will penetrate deeply into the nest, killing all occupants, including the queen or queens. It is very important to observe that carbon bisulphide is explosive like gasoline and one must take the same precautions he would if he were handling gasoline.

Locating ant nests that are in the walls or woodwork of a building is a difficult task and it is seldom that they can be killed out by injecting carbon bisulphide.

Where nests cannot be located it is desirable to poison them. This can be done by setting out a slow acting cumulative poison which the ants will carry back to the nest and feed to the young and the queen. The following is such a poison:

Tartar emetic	¼ ounce
Sugar	2 ounces
Water	1 pint

The sugar and water are boiled to make a syrup in which the tartar emetic is dissolved. A small quantity of this syrup is put into small pans such as the lids of baking powder cans. Bits of sponge are placed in the pans so they will touch the sides at some point, permitting the ants to get at the syrup without drowning in it. Pans are then set in the line of march of the ants or where they are troublesome. This poison will work only on ants that are attracted to sweets. In case other species are encountered beef broth, containing one-eighth ounce of benzoate of soda may be substituted for the sugar syrup.

THE TARNISHED PLANT BUG

Though one of the most common insects in Indiana, the tarnished plant bug is perhaps one of the least known. This is because of its inconspicuous color, its agility, and its shyness. Likewise, many injuries to plants previously little understood are now known to be due to the feeding punctures of this insect. Such troubles are the die-back of peach, the "buttoning" of strawberries, the "dimpling" of apples, the "bullheading" of asters, the knots and welts on chrysanthemum stems, the dying of the shoots of dahlia and failure of buds to open, or if they do open producing deformed flowers.

The adult insect is slightly less than one-fourth inch long, of a dull, brassy or greenish color, mottled with dull brown. Being a true bug, it has a long, needle-like "beak" or mouth parts which are about

one-half the length of its body. This "beak" it thrusts deeply into the tissue of the plants and sucks out the juices and apparently at the same time injects into the wound a poisonous substance that kills the tissues often for a considerable distance. The tender growing tips and buds are the favorite points of attack and the eggs are laid singly and deeply in the tips in punctures made by the females. The eggs are also laid in the flower heads of such plants as aster. In ten days the eggs hatch into small, greenish insects that closely resemble the adults, except that they have no wings. These young or nymphs pass through five stages in the course of a month, at which time they get their wings. There are several generations a year and adults and young are found together from May until it freezes in the fall. The winter is passed in the adult stage under trash and stones, among the weeds, grass and leaves, in fence rows and along drainage ditches.

The tarnished plant bug is one of the most difficult insects to control, due to its wide range of food plants, which include both weeds and cultivated plants. Among the weeds on which it feeds are golden rod, wild carrot, various species of wild aster, ragweed, and pigweed. Clean culture and the elimination of places where the adults can hibernate will materially reduce their numbers, but in the southern part of the state, from which the most serious damage to peach has been reported, even this is impractical due to the wild and rough nature of the region. Black leaf 40, one fluid ounce; fish-oil soap, four ounces; and water, four gallons, will kill the young, but is ineffective against the adults because they fly away on the approach of the sprayer.

CORN EAR WORM

Last season the corn ear worm (*Heliothis obsoleta* Fabricius) caused millions of dollars' worth of damage to field corn in this state. This year the damage to field corn was very slight. It was so numerous last fall that we found it attacking crops which had not been injured before by this pest. From the great numbers of pupae which were in the ground last fall it appeared that we could expect an increase in the number of the pests this season. The reverse was the case and apparently has proven Dr. E. P. Felt's contention that the corn ear worm does not winter over this far north and that our loss comes from moths which fly here from the south in the spring and summer.

Sweet corn was almost free from worms during the summer and only late in the season did the worms appear in considerable numbers. Other crops which suffered last year seemed to be almost free from injury from it this year.

We have not had any reports of injury to greenhouses this season and last year it was one of the most serious pests in the benches of the greenhouse men.

APIARY INSPECTION

Indiana beekeepers are very enthusiastic about the work of the Division of Apiary Inspection this year. Many of them had felt that the brood diseases of bees could never be eliminated in any territory where they had once become established. However, this season's work

has shown that it is possible to inspect all the colonies in a district and then have the inspector return later in the season to see that the instructions have been carried out. This intensive work will clean up these diseases. In most of the counties where foulbrood has been prevalent the beekeepers have organized associations and have made it their principal work to co-operate with the inspector in locating all apiaries and assisting him in every way possible. They have a list prepared of all places to be visited and appoint a man in each township to go with the inspector. This is a wonderful help in our work, as we lose no time in doubling back over territory to find apiaries which have been missed. Where brood diseases are found, and the owners are not able to treat the bees, many of the county associations agree to have one of their members do the work. Later in the season they often visit the bee yards to see that the work has been successful.

This year the records show a slight increase in the per cent of foulbrood in Indiana, but it is not on the increase except in territory which has had practically no inspection until this year. In a few areas we found a very high percentage of disease and these areas will be given a very close inspection next year.

Indiana produced a splendid crop of excellent honey this year and if it had not been for the excessive dry spell, which came on just at the height of the honey flow, the state would have produced eight or nine million pounds instead of approximately six million pounds. The government honey report showed Indiana had produced an average of sixty pounds per colony July 1st and this was the highest average for any state on that date. The white clover honey in Indiana cannot be surpassed and brings the highest price on the market. Most of it is sold direct from the producer to the consumer and the beekeepers of Indiana consequently receive a good price for their honey, and it makes beekeeping a very profitable vocation for those who can produce good yields.

A few years ago European foulbrood caused a great loss to the beekeepers in northern Indiana, but since better strains of bees have been introduced this has been decreased until now it shows less than two per cent in most counties and the good beekeepers do not fear it.

American foulbrood cannot be controlled or even aided by the introduction of better stock. So far no strain of bees has been discovered which is resistant to its ravages. There is only one way known to eliminate American foulbrood after a colony of bees becomes infected and that is to get rid of all the combs and honey in the hive. One drop of the infected honey fed to the larvae in a colony will start the infection, so it is evident that in the treatment the work must be carefully and thoroughly done. Our inspectors give hundreds of demonstrations each year for the treatment of American foulbrood and the beekeepers are realizing that it is a waste of time to try some of the supposed cures which are published. The shaking into clean hives and the destruction of all combs and honey, so that the bees cannot find a drop of the old honey, is the only cure known. Do not try any experiments; it is dangerous for your bees and a menace to all the bees in the entire neighborhood.

BEE INSPECTION RECORD FOR 1922

Number of yards visited.....	4,897
Number of colonies inspected.....	44,122
Number of American Foulbrood.....	1,988
Number of European Foulbrood.....	744
Cross Combs and Box Hives.....	6,610
Number of demonstrations	332
Number of counties visited this year.....	72

REPORT OF THE DIVISION OF FORESTRY

(Being the Twenty-third Indiana Forestry Report)

CHAS. C. DEAM, State Forester.

OUIDA L. BICKNELL, Stenographer.

L. E. DEAM, Superintendent Clark County State Forest.

CHARLES GUERNSEY, Assistant Superintendent.

The Division of Forestry is continually preaching the gospel of growing timber. The audience is a forced one and skeptical, and few converts have been made. Ignorance of the rate of consumption of lumber and of our limited timber supply are the causes of this skepticism. Strange as it may appear, with the advent of substitutes such as cement, steel and fiber, the per capita consumption of wood in the United States is not decreasing. At the same time we are annually harvesting standing timber equal to four times the yearly growth.

The people of the United States know nothing of growing timber because we have always "mined" it. A century ago New York saw no reason why she should conserve her timber supply because she could get all she wanted from Ohio and Indiana. These states in turn saw no reason why they should cease clearing their land because Michigan and the South seemed to have an unlimited supply. The timber supply of Michigan has long since been depleted and the South will be cut out within the next fifteen years. Then practically all of the timber for east of the Mississippi River must come from the Pacific Coast. Students of our timber supply predict that the Pacific Coast supply will not last more than twenty-five to forty years. It is wiser and cheaper to grow timber in the United States than try to import it.

After our virgin timber is all cut, the price of lumber will begin to approach the price that it will cost to grow it. Today the freight charges to Indiana on lumber and shingles from the West Coast are more than the cost of the materials at the mill.

Indiana contains 22,403,502 acres. The Year Book of Indiana for 1917 credits the state with 1,664,886 acres of timber land. This area had shrunk in 1920 to 1,387,248 acres—an average annual decrease of 92,456 acres. At this rate of clearing, Indiana would be treeless in fifteen years. Our area of timber in 1920 was a little over 6 per cent of our area, or practically five acres of woods for every eighty-acre farm.

Indiana is essentially an agricultural state. About two-thirds of our area is level, and practically all of it can be farmed or grazed. The remaining third which is located along the Ohio River is more or less broken, and contains much hilly land which, if continually farmed, will

become washed or eroded to the rock. All of our hilly land at one time had dense forests of valuable trees of large size.

The hilly part of Indiana was first settled because it lay in the path of immigration, and because the hill land required no drainage it was best suited to the needs of the pioneer. After 100 years of settlement of the hill country we find all the valleys, and many of the ridges and their slopes cleared. This part of the state while the people were engaged in "mining" the timber and exploiting the virgin soil fertility supported a larger population than at present. The rural population in all of the older hilly counties has been rapidly decreasing during the past twenty-five years because it is no longer profitable to farm the worn-out hills. A century of experience has shown that when a steep slope is cleared and farmed ten to twenty-five years, it may become washed or eroded, so that it can no longer be farmed, and then it is generally abandoned by the owner who, in the vernacular of the hill country, is pleased to call it pasture land. This is only a gentleman's way of condoning one of the greatest crimes our present civilization is committing; namely to permit owners of land to clear typical forest land, farm it a few years and then abandon it after squandering all of the soil fertility which required nature centuries to build up. Today there are thousands of acres of land in the hilly counties that have been abandoned as farm land. This land is growing up in greenbriers, sassafras, persimmon, and other woody plants of little or no value. In many places the soil is so sterile that after thirty years only poverty grass and brome sedge can grow on it. Such land has little intrinsic value. It is land that should never have been cleared. If it had remained in forest, it would have given a sustained yield of timber more valuable than any other crop.

The real problem is what to do with this "waste" land. That it should be afforested, most people will agree. How it can be done has not yet been determined. The owners of such land are usually too poor to put money into a forest crop which they know will yield no returns on their investment for many years. The solution of the problem seems to be in state ownership; or to adopt the remedial loan system, which is for the state to take over such land, advance the money to plant it to forest, keeping an account of all the expenses and then allowing the owner if he chooses to redeem the land by paying small annual payments until the state is reimbursed.

The clearing of our forests in the northern two-thirds of the state has gone so far that there are whole sections of land without a forest of any size. True there may be here and there a woods pasture. A woods pasture is an area which was formerly wooded which has been heavily cut over and grazed until there are no young trees growing in the woods to take the place of the old trees when they die or are cut, which means that when the present stand of trees disappear, the end of the woods has been reached. The State Forester believes no matter how valuable the land of a farm may be, that every farm of eighty acres or more should have a forest area of 5 to 10 per cent.

The legislature of 1921 passed a law which relieves woodland of the burden of taxation. It was pointed out that it takes a hundred

years to grow a crop of saw logs, and that a forest crop should not be taxed one hundred times at the same rate that an annual crop is taxed. So a rate of \$1.00 per acre was considered a fair rate at which to assess land that is devoted to growing timber. Since every land owner should have a forest, a brief synopsis of the law follows:

"An act to encourage timber production and to protect water sheds by classifying certain lands as forest lands; and prescribing a method of assessing lands thus classified for the purpose of taxation."

Section 1. States that both native and planted woodlands may be classified.

Sec. 2. The minimum number of trees per acre for each class of forest land is prescribed. Briefly a planted forest is one which has been planted not farther than 8 x 8 feet apart, and has a good stand of trees remaining. A native forest must not contain open spaces. By open spaces is meant sky openings 8 x 8 feet, up through which a tree might grow. In the event that a woodland has such openings, nuts or seedlings must be planted in them. If a woodland is classified that does not meet the requirements, the owner promises to have trees in the open spaces within three years, and he must make an effort to do so both the first and second year.

Sec. 3. Native and planted forests shall be assessed at one dollar per acre.

Sec. 4. Prescribes procedure for the classification of woodlands. The area must be surveyed by the county surveyor and his notes must be inked on the blank furnished by the State Forester. The township assessor places a value on the land which is the true cash value of the land exclusive of any timber that may be on the land. Next the blanks must be sent to the State Forester for his approval. Before he can do this he must personally visit the woodland to determine if the stand of trees complies with the law. After the State Forester approves the blank, it is filed with the county recorder and the State Forester notifies the county auditor that the land has been duly classified and to place the same on the duplicate at one dollar per acre.

Sec. 5. Prescribes that the surveyor cannot charge more than the legal rate.

Sec. 6. Prescribes that the land shall be appraised at its cash value, the timber on the land not being considered in the appraisement.

Sec. 7. Prescribes that the expense of the survey shall be paid by the applicant, and the appraisement by the county.

Sec. 8. Prescribes that no area less than three acres can be classified.

Sec. 9. Prescribes that the classified land shall contain no building.

Sec. 10. Prescribes that the area cannot be grazed.

Sec. 11. Prescribes that the classification continues if the land is sold, etc.

Sec. 12. Prescribes that the area shall be marked by four signs furnished by the Department of Conservation.

Sec. 13. Prescribes that in the event that any mineral, oil, gas, stone or other mineral wealth is obtained from this land and sold the same shall be assessed.

Sec. 14. The State Forester has the power to issue special permits for the management of such land.

Sec. 15. It shall be the duty of the State Forester to duly inspect such land and make a report of such inspection with recommendations to the owner.

Sec. 16. In the event the land is to be withdrawn from classification, it is valued in the same manner as it was when it was entered.

Sec. 17. Upon withdrawal the owner pays to the township, county and state pro rata the difference between the first and second appraisal if any.

Sec. 18. If the State Forester finds that the owner does not carry out the provisions of the act, and refuses to do so, the State Forester can withdraw the land from classification.

Sec. 19. The owner of classified land must make an annual report to the State Forester on a blank to be furnished by the State Forester.

It is to be noted that this law in no way interferes with the owner's management of his forest, except he cannot graze it. He can cut timber when and as much as he pleases and any sizes he chooses. It is taken as an axiom in the management of an Indiana forest that you can cut when and as much as you choose, and the forest will renew itself if stock and fire are kept out of it.

Every forest in Indiana that has never been grazed will easily classify as forest land. In fact most of the well-wooded forests that have been grazed more or less will also comply with the law. It is remarkable how soon a woodland will become well stocked with trees when stock and fire are kept out. However, when a woods is so open that grass grows in it, forest seed cannot get a hold and a woods pasture will continue until the sod is broken up.

Persons who own prospective forest land should write the State Forester at once to inspect their woodland with a view of having it classified as forest land, and cease to pay the present rate of taxes, which is unjust for woodlands.

A great part of the work of the State Forester the past year has been the inspection of woodlands. In doing this work, much has been learned of the forest conditions in the state, and the attitude of woodland owners toward keeping their woods or planting land to forest. In order to briefly explain forest conditions in the state and the woodland owner's attitude toward the subject of forestry, it is here proposed to discuss some of the questions asked, and the reasons given for keeping a woods or planting one.

(1) "It does not pay to keep a woods" (meaning that more immediate money can be made out of land if it is farmed or grazed). The same land owner will tell you that it does not pay to grow wheat, yet year after year he continues to sow wheat. He does so simply because the indirect benefits are so many and so important that he cannot afford to disregard them. For example every farmer needs straw for bedding his stock, for making chicken nests, and many other minor uses. He sows wheat to rotate his crops. The indirect benefits of a forest are many fold greater than any other crop, but the benefits are not always so obvious, which fact accounts for their being overlooked.

It is generally known that the forest plays an important role in the conservation of our rainfall; that it has an effect upon climate; that it has a protective value during storms to buildings, to orchards and field crops in addition to its value as a windbreak in general. Many birds beneficial to the farmer find a home and nesting places in the forest. Many bushels of orchard fruit might be saved if the branches are propped. If the orchard owner has a woods, it will always furnish the needed props which will save the fruit, and the propping will prevent damage to the trees. A forest will furnish for immediate need a post or pole which may be of very material value. The forest will always furnish the year's fuel which can be cut and hauled at spare times which means the conversion of idle time into money. It is found that many farmers have an aversion to building a house or barn out of pine lumber, because they have always been accustomed to the strength and durability of hardwoods, and they say they want to keep their woods because, "Sometimes I may burn out and want to build a house or barn."

(2) "I need more cleared land." This reason is often given by owners who have cleared every acre of their farm. Ordinarily on account of labor shortage every farmer has more cleared land than he can profitably farm. This statement is borne out by our farm statistics which show that in Indiana over a million acres of farm land lies idle each year. On an average one acre out of fourteen is not farmed for some reason or other. It has been demonstrated that the farmer should farm more intensively, and that the average crop is far below what can, and should be grown. A low average yield is generally due to poor farming. While the average yield of corn in a certain county was less than 50 bushels per acre, several farmers of the county in the five-acre corn contest grew over 100 bushels per acre. There is more net profit in growing ten acres of corn well than there is in poorly growing fifteen acres.

(3) "I must use my woods for pasture." That the woodland area must be used for stock of any kind is not true except in rare cases. Some large and successful stock growers have no woods of any kind. A woods worthy of the name has little or no grass in it. It is known that blue grass grown in the shade is much lower in feeding value than that grown in full sunlight, running as high as 20 per cent less in protein content. In fact stock have enough "horse" sense to prefer grass grown in full sunlight. The real feeding value of "wild" grasses, herbs and twigs must be very low. It is doubtful if the grub or root that a hog gets by rooting is worth the energy expended in getting them. It is a well known fact that when hogs are fattened they must be penned up, because in the woods they wear themselves out. The argument that hogs are greatly benefitted by the mast of the woods is entirely overworked. This is the first year for fourteen years that Indiana has had a general good beech nut crop. The oaks have fruited only here and there for at least ten years. It is not denied that locally some trees have fruited oftener. It is also known that in "off" years when trees such as beech, oaks and hickory bear fruit, that practically all of the fruit is wormy. Again the real feeding value of beech nuts and acorns

is not known. Some farmers who have mast in their woods, do not permit their hogs to eat it because it makes the meat "flabby" and the lard will not congeal. Then too, a well managed woods will not have any beech in it, because the oaks, hickories, walnut, ash and tulip are much more valuable. The damage done to a woods by stock is much greater than the owner generally believes. When stock roam a woodland, they browse off little trees which are either damaged or killed. These should replace the older trees as they disappear. The young trees form a barrier to the sun and wind, which prevents the rapid evaporation of moisture needed by the growing trees. The value of stock annually killed in Indiana by eating poisonous plants found in woodland is no small sum, to which should be added the loss of stock injured or killed by falling trees or branches. The trampling of stock in a woodland compacts the soil and disturbs the leaves on the ground which increases the evaporation of moisture thereby decreasing the growth and vigor of the trees. Stock in a woods generally have access to cleared land where they graze, and the woods are used by the stock principally for shade. In this instance about three-fifths of the droppings of the animals are deposited in the woods, where it is lost to agriculture. The droppings from one thousand pounds of cattle is worth about five cents a day, or about seven dollars a season. For the most part this amount of fertilizer is taken from cleared fields where it is needed. In other words, the land owner is paying too dearly for shade. Farmers who do not have woods often erect artificial shades which satisfactorily answer the purpose. When cattle are protected by artificial shade they get rid of the worst fly pest and mosquitoes which are inhabitants of the woodland.

(4) "I would keep my woods if I did not have to plant more trees to comply with the law." When one sets off a part of his farm to grow a timber crop, it is certainly poor business to grow a poor crop or less than 100 per cent of a crop. A farmer certainly would be a poor business man who had "dung hill" chickens and "elm-peeler" hogs who would not try to improve his stock. Most of our woodland contains beech, sugar, black gum, white elm and other trees of equal value; and such a woodland can be greatly improved by increasing the stand of ash, oaks, shellbark hickory, walnut and tulip. This can easily be done at a very little expense by planting the seed or seedlings of the last named species. After a woods has a stand of only the valuable trees further planting will rarely be necessary.

(5) "It will never pay me to plant a tree because I will never live long enough to cut a log from the trees I plant." The answer to this objection has an economic and a moral phase. It is true that one will not live long enough to see saw logs cut from his planting, but a forest of any age has a potential value. Trees have a value in proportion to their age. A forest on a farm enhances the value of all of the land. Real estate dealers will tell you that selling a farm without a forest on it is like selling a farm located on a mud road. As soon as our virgin timber is cut, our forests will rapidly increase in value because timber will be worth what it costs to grow it. An authority on the subject was recently consulted and he said he believed the price of lumber would be doubled in twenty-five years.

Then there is the moral side of the question. A paternal government in parceling out its land, sold it to its citizens for a nominal sum with the implied understanding that the land should be used for the benefit of the owner who should not impair its value to his successor. Since the government sold its land, carrying on it a prime necessity of life and national existence, such as standing timber, the owner has no moral right to decrease the timber supply beyond the limit that endangers the welfare of society. In fact every owner of a parcel of land should feel it incumbent on him to develop his holding into an ideal farm. The ideal farm from any standpoint should have as an essential part of it a developing forest. In the near future it may be regarded that a measure of a farmer's patriotism is the proportion of his farm he has in woodland.

CLARK COUNTY STATE FOREST

The Clark County State Forest is located on the Pennsylvania Railroad and the Inter-State Traction Line about twenty miles north of Jeffersonville. The former area of 2,000 acres has been increased to 2,851 acres during the year by the purchase of several small adjoining farms. Negotiation is pending for the purchase of about 500 acres more which will increase the state forest to about 3,350 acres. There are yet thousands of acres of very hilly land joining the state forest that should be purchased, since it is fit only to grow trees.

FOREST PLANTING

There are nearly 100 acres of old fields on the original 2,000 acres of the state forest that should be planted to forest trees. The planting of these fields has been delayed so long that much of the area has grown up to sassafras, persimmon, wild plum, sumac and other worthless growth, so it will be necessary to clear it in order to plant it. It is poor policy to delay any longer the planting of these areas because the longer the delay the greater will be the cost to get them back to forest. The reason these areas have not been planted long ago is because funds for the purpose have not been available.

This year about 100,000 tree seedlings were ordered, but only 30,000 tulip and 2,000 conifers were received. After it was too late to order elsewhere, the nurseries with whom the orders were placed reported they were not able to fill our orders. The largest sized tulip seedlings received were planted direct to the field, and the remainder were lined out to be planted in the spring of 1923. The following is a tabulated statement of the planting done this spring.

- 70 ash from nursery to replant tract 28.
- 45 catalpa hybrids to replant tract 48.
- 28 cherry from nursery to replant tract 49.
- 619 chestnut from nursery to plant a cleared area west of tract 49.
- 583 shellbark hickory from nursery to replant tract 28.
- 1413 shellbark hickory from nursery to replant tract 55.
- 532 sugar maple from nursery to replant tract 82.
- 200 Russian olive to replant tract 65. Stock purchased.
- 1000 jack pine to start a new tract. Stock bought.
- 93 red pine from nursery to replant red pine tract.

- 113 Scotch pine from nursery to replant tract 68.
- 159 Scotch pine from nursery to replant tract 50.
- 26 white pine from nursery to replant tract 33.
- 566 white pine from nursery to replant tract 24.
- 436 white pine from nursery to replant tract 25.
- 1703 white pine from nursery to replant tract 38.
- 252 white pine from nursery to replant tract 57.
- 217 white pine from nursery to replant hillside at red barn.
- 86 red and Scotch pine from nursery to plant bed of abandoned road.
- 1511 tulip to replant tract 16. Stock bought.
- 670 tulip from nursery to replant tract 28.
- 722 tulip to replant tract 45. Stock bought.
- 823 tulip to plant in tract 58. Stock bought.
- 10 gals. white oak acorns to replant tract 80.
- 13 gals. white oak acorns to replant tract 56.
- 10 gals. white oak acorns to replant tract 63.
- 10 gals. white oak acorns to replant tract 51.
- 5 gals. white oak acorns to replant tract 60.
- 30 gals. white oak acorns to replant tract 41.

NURSERY

Experience has shown that the state cannot afford to depend upon commercial nurseries to furnish large orders of forest seedlings. Orders may be canceled at the last minute, and shipments may be delayed so long in transit that a large percentage of the seedlings will not grow. Other states have found it advantageous to have state nurseries to grow forest seedlings to stock state forests and to sell to woodland owners. The law recently passed in Indiana which enables farmers to classify their woodland as forest land has created a new demand for forest seedlings.

To meet these demands for forest seedlings, a state nursery is now being developed. The only available site for a nursery is a worn out field that must be drained. Considering the handicaps, the results at the nursery this year were satisfactory. The beds of conifers suffered badly by damping off. A large percentage of the tulip, sycamore and sweet gum seed failed to germinate. The remainder of the seed planted did well. An invoice of the stock on hand is as follows: 25,000 white pine seedlings; 12,000 Scotch pine seedlings; 10,000 Norway spruce seedlings; 5,000 Austrian pine seedlings; 800 white fir seedlings; 10,000 Scotch pine one year in the transplant rows; 3,000 red pine one year in the transplant rows; 8,000 sugar maple two-year-old seedlings; 10,000 white pine one year in the transplant rows; 1,000 sycamore two-year-old seedlings; 100 black sugar maple two-year-old seedlings; 30,000 white oak seedlings; 15,000 chestnut oak seedlings; 3,000 red oak seedlings; 18,000 tulip two-year-old seedlings; 12,000 black locust seedlings; 5,000 wild cherry seedlings; 500 black walnut seedlings; and small numbers of several other species. The totals are 52,900 one-year-old conifers; 13,000 two-year-old conifers; 10,000 three-year-old conifers; total, 75,900 conifers. There are 85,075 one-year-old hardwood seedlings; 12,200 two-year-old hardwood seedlings; a total of 97,275 hardwood seedlings. The grand total of all of the seedlings in the nursery is 173,175. Seedlings will be sold to woodland owners at the cost of growing them after they have signed a written agreement to plant them in their woodlots, and not to resell them.

GROWTH RATE

As was announced in the last report, each tract will be calipered at intervals of ten years. Several tracts were measured this year, but the data are not ready for publication. Permanent records are being made of all measurements.

Lack of space forbids a discussion of the progress of all of the tracts each year. However, a few notes will be given.

About twenty acres of ground that was in wheat was sown with scarified seed of sweet clover in the spring. The result was a complete failure except on the site of an old house where a very thick stand was obtained.

The kudzu vine has been recommended as a plant that would succeed on washed slopes. In order to ascertain if kudzu would prepare the ground of washed slopes for forest planting, one hundred two-year-old plants were planted on five different sites. About one-fourth of the plants died, and the growth of each of the remaining plants was less than three feet. A few that were planted in fertile soil about the house grew to great length.

About half of the catalpa hybrids (*Catalpa bignonioides* Kämpferi) in tract 48 froze back to the ground. These were two years old from the seed. The plants that froze back sent up root shoots. Those that did not freeze back made a growth of 2 to 12 inches.

The white pine in tract 53 are making an extremely rapid growth. Each year some of the trees make a growth of 20 to 34 inches. However, this year a root trouble developed which killed a high percentage of the trees. This trouble is being investigated by the Bureau of Plant Industry, Washington, D. C.

The Japanese red pine which have been planted three years, made a growth of 12 to 24 inches this year.

FOREST CLEANING

This year no methodical forest cleaning was done. During the winter months about five hundred cross-ties were made from dead trees, and their tops were worked up into wood. Many more cross-ties would have been made, but there was no local market for them. As soon as the market opens again a force of men will be started to making them.

INSECTS

No destructive insect appeared this year other than the catalpa sphinx, which annually defoliates most of the catalpa.

FIRES.

Fortunately no fire started this year within the boundary of the state forest. Constant vigilance is maintained, and fire lanes are kept clean. No money has been spent in fire patrol.

VISITORS

The number of visitors is increasing each year. The number who registered is far less than those who did not register. Many autos

loaded with visitors drive through the forest without registering. In fact the forest is fast becoming a recreational park. This fact is greatly increasing the fire hazard and a fire patrol should be employed, at least on Sundays.

The number of visitors who registered at the Administration Building was 1,710. Their addresses according to states were as follows: Indiana, 1,445; Kentucky, 175; Illinois, 29; Ohio, 15; Oklahoma, 7; Michigan, 4; Colorado, 4; Minnesota, 4; Montana, 3; New York, 3; Florida, 6; Iowa, 4; Pennsylvania, 2; California, 2; Nebraska, 2; Massachusetts, 1; Mississippi, 1; Alabama, 1; Wisconsin, 1; Washington, D. C., 1.

RAINFALL AND SNOW AT THE CLARK COUNTY STATE FOREST

1921	Rain	Snow
October	1.90	
November	6.51	
December	6.63	
1922		
January	1.82	.75
February	2.33	
March	6.21	
April	5.84	
May	2.44	
June	1.46	
July	4.39	
August	3.16	
September	2.97	
Total in inches	45.66	.75

OFFICE WORK

The office work, management of the state forest, and field work are all done by the State Forester with the assistance of a stenographer.

CORRESPONDENCE

During the year 3,262 first class, 2,691 second class and 405 third class letters were mailed. There were 1,755 first class letters received.

REPORTS

The supply of all of the annual reports has been exhausted. Bulletin No. 5, "*Indiana Woodlands and Their Management*," was published in July, and sent out to many woodland owners. During the year, 334 copies of the "*Trees of Indiana*" were sold at \$1.25 per copy.

LIBRARY

The library now contains 2,427 titles, of which ninety were added during the year. During the year one book was bought, and the remainder of the library accessions were obtained through exchange and gift. The office is a subscriber to "*American Forestry*," "*Journal of Forestry*" and "*Lumber World Review*."

FIELD WORK

Much of the time of the State Forester from the first of May until the last of September was spent in the field inspecting forests. In all ninety-one days were spent in the field. The traveling was done in an auto furnished by the State Forester. The total distance traveled was 5,607 miles; hotel expenses, \$80.39; gas and oil, \$94.83; auto repairs and supplies, \$162.82. The average cost per mile was \$.046. The total cost to inspect a woodlot was \$1.94. During the year, 174 woodlands were inspected; and in addition many woodland owners were visited who would not comply with the law which classifies woodland as forest land. Some of the latter would not quit grazing their woodland and others refused to go to the small expense of planting forest trees in the openings of their woodland.

It is believed the classification of woodland in Indiana will be the means by which our remaining forests can be saved from destruction. Every effort should be made to make effective the law which classifies woodland. For this purpose not less than two assistants should be in the field until this work is accomplished.

Observations on the fruiting of forest trees this year are as follows: Many species of the oak set fruit, but the long periods of drought caused most of it to drop before reaching maturity, and as a consequence the crop of acorns was very limited. The following species were well fruited throughout the state: All species of ash, shellbark and pignut hickory, persimmon, black walnut, beech, black locust and maples. The following had only a partial crop: Honey locust, black gum, wild plums, black haws, red haws, and sassafras.

STATE FAIR EXHIBIT

The exhibit this year at the State Fair was a duplicate of last year. The number of visitors was equal to that of former years, if not greater. The interest in the subject of forestry seems to be on the increase, and it is believed the annual exhibit should be made.

CO-OPERATIVE FOREST PLANTINGS

The co-operative forest plantings in Brown, Jackson and Jennings Counties were visited and found in a satisfactory condition, except the one in Jennings County should be replanted. The state offered to furnish seedlings for this purpose, but the superintendent of the County Farm would not reply to our correspondence concerning it. The one in Jackson County is doing exceptionally well.

REPORT OF THE DIVISION OF LANDS AND WATERS

CHAS. G. SAUERS, Acting Superintendent.

R. P. LUKE, Superintendent of State Parks.

EDWARD JONES, Custodian McCormick's Creek Canyon.

JOHN FALL, Custodian Muscatatuck Park.

The state parks of Indiana are helping to solve one of the difficult sociological problems of the industrial age—the profitable and pleasant

enjoyment of leisure hours. With the development of the automatic machine, and the adoption of the eight-hour day, there have come to the great bulk of our population leisure hours to which they are not familiar nor with which they know what to do. Furthermore this same automatic machine has removed the need of apprenticeships, for one may learn to operate it in a few days and it takes but little brain activity and often but slight physical fatigue results. At the end of the day and the end of the week recreation of some sort is imperative.

In state parks the finest types of recreation are available—hiking, swimming, fishing and nature study. Here many thousands come each season and they are not entertained for that particular time only, but having become acquainted with the possibilities of the outdoors for the employment of leisure hours, they seek it adjoining the towns and cities of their immediate habitation. Perhaps they are led on to the study of trees and wild flowers, geological formations, zoology, or may take up gardening as a result, become interested in accounts of travel or historical lore. These reservations of primitive outdoors are the windows from which are viewed a pageant of subjects and events with which many of the visitors have heretofore been unfamiliar. Thus hours which have been wasted in meaningless and uncultured and often immoral amusements, are converted into broadening, delightful and restful recreation.

TURKEY RUN STATE PARK

Turkey Run is the most highly developed and most popular state park. The record of paid attendance presents interesting figures in the increasing popularity of such reservations. In 1919 it was 33,145; for 1920 was 45,297; for 1921 was 53,966 and for 1922 was 58,090, the latter figure despite a late spring.

The demands for hotel service at this park have been so insistent that it became necessary to add a building consisting of sleeping rooms. The original hotel has adequate dining room and lobby space. A two-story building of thirty-two rooms was planned and a site was settled upon just south of the old building. More logical sites are available, but they all required the removal of very valuable trees and for that reason were discarded.

The construction of the building was turned over to our construction superintendent who used local labor almost entirely. It is of a brick veneer type, using brick from the State Penal Farm. There is one bathroom with shower and two toilets on each floor. Each room has a big double window and transoms are provided over the doorways so that free circulation of air may be supplied. This building was completed on June 17th and occupied at once. It was thought that it would provide for the service demands throughout the season, but notwithstanding the increased capacity, many of the farm houses were used throughout the week as well as on week-ends during this season.

The water supply at Turkey Run has been a perplexing question because our deep wells were not adequate when the park was crowded. The Division of Engineering with the assistance of advice from Purdue University drew up plans for a water supply which will be adequate for

a number of years. In Turkey Run Hollow, south of the hotel, an eight-foot dam was erected which backs up the water in this small creek so as to form a million gallons storage basin. In the bottom of this basin were laid two lines of ten-inch perforated tile covered to a depth of about two feet with sand and gravel. The water filters through these tile into a concrete well from which it is pumped by a gasoline engine with a duplex pump into a large pressure tank in the basement of the new building. This water is used in all the buildings for everything except drinking and cooking and thus relieves the drain upon the deep wells.

Another septic tank was built along side of the original one with sufficient capacity to take care of the new hotel and some additions. This sewage disposal plant was planned by the sanitary engineer of the Division of Engineering. All the construction work in the park was carried on by members of the department using local labor.

The road through the new addition to the park which was completed very early in the year was placed into use at the beginning of spring and by mid-summer was being used almost entirely by people coming into the park. The park now has two entrances, the original one near the hotel and the main entrance on the State Highway. In order to mark this main entrance properly, a toll gate which is a replica of those found on the toll roads of the state years ago, was erected and a small keepers' lodge constructed. This permits the closing of the road at night and directing of the traffic around by the old entrance. The road leading from the new main entrance to the hotel is now one of the features of the park due to the scenic beauty encountered along it.

With the constantly increasing popularity of Turkey Run, there comes new demands for more complete service to the public. Important among these are sanitary toilets to replace the old ones now in use by the public, more hotel space, more foot trails, especially in the new section of the park, tennis courts and playgrounds for small children, location of drinking water wells in the new section of the park and north of the creek and an extension of camp grounds. Swimming and wading pools must be provided in Sugar Creek during low-water stages by means of a series of low concrete dams.

MCCORMICK'S CREEK CANYON STATE PARK

The development of this park to its present state was completed in the previous year. Practically no construction or work of any sort other than routine policing and repairs was undertaken. In May a change of personnel was made and Mr. and Mrs. Edward Jones were placed in charge of the park and hotel respectively. Beginning with August 1st an admittance charge similar to that at Turkey Run of 10c per person has been charged. This brought a return of \$273.60. The hotel has become popular and the park is greatly used for picnics and conventions.

It now becomes necessary to increase the hotel facilities, provide an automobile road from the hotel to the river and also some source of water supply other than deep wells. This will probably take the form of a small dam in the canyon with an infiltration system.

CLIFTY FALLS STATE PARK

This park presents a huge problem in making it accessible. The topography is such that a three-mile road is necessary to bring people into the area and to the hotel. The construction of this road was started under the supervision of the Division of Engineering. Since it will be a very beautiful road and much used, it was considered the best policy to construct a permanent highway of stone which is to be found in the park. The road leads along the east crest of the great gully which comprises the park, winding in and out so as to bring a number of excellent views of the opposite side and falls within the scope of the motorists.

There was secured from the Southeastern Hospital for the Insane, a large stone farm house standing on the edge of the Ohio River bluffs about four hundred feet above the river. This was renovated, decorated and made into a small hotel providing six sleeping rooms, large dining room and lobby. It became immediately popular and was used throughout the season. Mr. Kabrich, who had formerly been in charge of the colony at this place, was made park custodian and Mrs. Kabrich is in charge of the hotel.

The end of the fiscal year saw the road about half completed and it will probably not be finished before mid-summer of 1923.

In addition to this main road it became necessary to make the park available to the city of Madison by some road more direct than the hill roads then in existence. There had been an old farm road leading from the foot of the bluff up to the Thomas House which is now the hotel. At the continued insistence of local citizens this road was eased and graded, but is in no sense a safe automobile road. Some grades are very steep and two awkward turns are necessary.

The work of developing this park has only a fair start and it will take not less than five years to make it really accessible to the crowds who will come.

Among the more important developments necessary are foot trails of which there are none at the present time. The slopes are so precipitous and densely wooded that it is easy for the amateur to be lost and once he has gone from the upper level down to the bottom level, it is a considerable task for those not used to it to get back again. Trails will have to be provided, taking the most convenient ways and at the same time making all the interesting points of the park accessible.

The water supply for the hotel is now secured from a large spring which is only fairly adequate to the purpose. Some other source of water supply will be necessary, the most logical of which seems to be deep wells at the foot of the bluff, the water to be pumped up the hill to the storage basin.

No camping grounds have been provided and parking space for machines has only been temporarily laid off at the field at the north end of the reservation.

MUSCATATUCK STATE PARK

This park was formerly known as Vinegar Mills, but the name has been changed by the commission because the word Muscatatuck has

more historical and local significance. There are only eighty acres in this small park and it has been cleaned of underbrush and the paths been mended and steps provided where necessary. There was added to the original purchase ten acres on which stood a big farm house facing on a state highway. This has been remodeled inside to provide a way-side restaurant known as "Muscatatuck Inn." It is used by the automobile tourists and by local associations. This park will be developed into a tourist camp and also for campers desiring to stay one or two weeks at one place who may make their headquarters here and explore the beautiful Muscatatuck country which is at hand.

CAMPERS

Camping is a form of recreation available to the family of moderate means. The investment in equipment need not be large and when actually camping, living expenses are not more and often less than while at home. Every year the facilities for camping in state parks are enlarged and every year sees more camping parties.

The automobile tourist both within and through the state has grown to such numbers that facilities have to be provided for his over-night stops. The lead in this has been taken by the municipalities. In order that information as to the location of automobile camps might be available, the division collected information as to the location and equipment of the various camps in the state and published a folder showing a map of state highways, automobile camps and giving some directions for the equipment and life of the automobile camper. It was found that there were thirty municipal camps in the state besides the four state parks and forest reservation. Some of the municipal camps are very elaborate, furnishing firewood or gas, sanitary toilets, playgrounds, swimming pools, showers and the like. Some furnish only camp site and some source of fuel. All are intensely used throughout the summer and fall seasons. There seems no doubt that if this type of travel continues to increase that it will become necessary for all cities to provide adequate facilities with proper control and provide a small charge to cover the expense of furnishing such.

In addition to the automobile camp folder, there was published a new edition of the "Points of Interest" map and descriptions known as the "Health Show Edition" which was used primarily for distribution at that exhibit. There are now more than one hundred points of historic and scenic interest listed on the map. This publication continues to be very popular.

WATER POWER

We are approaching an era of water power development in which Indiana is to take its small part, because comparatively speaking there are few water power sites in the state. A notable development is now being constructed on the Tippecanoe River at Norway, above Monticello. This stream is probably the state's best water power source, because of the evenness of its flow throughout the year. Those streams in the southern hills which have a tremendous fall unfortunately are very small or become practically dried up through late summer.

The use of our state streams for water power has brought up the question as to whether private corporations should be permitted to use this natural resource belonging to the people of the state without charge. The argument is brought forth that the public is really being done a great good when money is made available for such developments. This department, however, believes that here is an opportunity for the state to realize upon its resources which still remain within its control and that a fair return should be required of hydro-electric companies using the state streams. Indiana now operates under a very antiquated, meager and unscientific water power law and it is proposed to ask the next General Assembly to pass a law which will properly regulate water power developments requiring the approval of the state and in every way protecting the state's interests.

DRAINAGE

Drainage questions which have come into the office have up to this time been handled by the Division of Lands and Waters in a rather unsatisfactory manner, due to lack of trained personnel. Practically this entire work has been taken over by the Division of Engineering which has the personnel and which was organized for the purpose. It becomes necessary, however, for the Division of Lands and Waters to work with the Division of Engineering on the question of maintenance of lake levels and where drainage projects affect the streams of the state.

COAL UNDER THE WABASH

The question of ownership of coal lying under the Wabash in Vigo County is now in the courts. The department through the Attorney-General, has filed complaint against the Western Mining Company of Terre Haute to the effect that they are mining coal which belongs to the state and asking for an injunction. There seems no question but what the state is right in its contention that the case will end in the coal being placed under the ownership of the state and here again a source of revenue is opened up to the relief of the taxpayers.

The question of the taking of sand and gravel from the beds of streams within the state had never been thoroughly investigated, but work was started with the Wabash River. A few companies were found operating, all of which were taking sand and gravel from the banks away from the stream, which the state does not own. They were, however, causing a nuisance by dumping their excess sand into the stream to the hindrance of navigation. Orders were issued prohibiting this dumping. Work has now been started upon the regulation of sand and gravel operators of the lower Wabash where the stream is the state line. Indiana owns to the thread of the stream and it is proposing to place these operators operating on the Indiana side under regulation and to charge a fair royalty per yard for the sand and gravel which they remove.

OHIO TRAIL

In New England and the states immediately south, there are in existence certain organizations known as Mountain Clubs whose mem-

bership is composed of men and women interested in hiking. These organizations maintain trails along the ridges of the Allegheny ranges from Maine south to the Carolinas and every summer finds the trails used by hundreds of people seeking the out-of-doors in this admirable fashion. It seems that it should be possible to utilize our knobstone country in Indiana for a similar purpose. It is thought that a trail might be started in Morgan County continuing through Brown, Washington and Harrison Counties to the Ohio River. In the northern part of Harrison County it might branch east and west running on the east almost to the state line in Dearborn County and on the west to the "pocket." In a state like Indiana, considerable missionary work would be necessary to secure the co-operation of the land owners. It is believed if they were assured of the sincerity of the purpose that no trouble would be encountered. Along this trail could be established camping spots so that one might take his pack upon his back and tramp for a week or two weeks at a time all through beautiful country, well wooded, and certainly there is no higher type of recreation.

NATIONAL CONFERENCE

The second National Conference on State Parks was held at the Palisades Interstate Park on the Hudson and was attended by a representative of this department and state. It was discovered at this meeting that Indiana is well advanced in state park work and that there is throughout the entire country a demand for large natural reservations of the state park type. This conference is being held annually and it is hoped that the next one will be held in Indiana at Turkey Run State Park.

OPEN AND CLOSED SEASONS IN INDIANA	WHITE SPACE, OPEN SEASON						DARK SPACE, CLOSED SEASON					
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Deer, Wild-Turkey, Pheasants, Beaver, Otter.												
Quail and Ruffed Grouse,												
Prairie Chicken												
Duck, Geese, Brant (except Wood Duck)												
Coots, Gallinules, Plover, Jack Snipe, Wilson Snipe, Greater and Lesser Yellow Legs.												
Woodcock												
Rails												
Rabbits												
Squirrels												
Mink, Muskrat, Opossum, Skunk, Raccoon, Fox.												
Black Bass, Blue Gills.												
Trout.												
Dove and other wild birds except Game Birds and those mentioned below:												
English Sparrow, Black Birds, Crows, Hawks and other Birds of Prey.												

REPORT OF THE DIVISION OF FISH AND GAME

GEORGE N. MANNFELD, Superintendent of Fisheries and Game.

GEORGE BERG, Superintendent of State Fish Hatcheries.

MARGARET BINKLEY, Chief Clerk, Bookkeeper and Stenographer.

CHARLES J. O'MAHONY, Assistant Clerk.

ANDREW E. BODINE, State Organizer.

WALTER SHIRTS, Legal Investigator.

JOHN C. DIGGS, Sanitary Engineer.

Office of the Division, Room 108, State House.

STATE FISH HATCHERIES

Riverside Park Hatchery, Indianapolis

WILLIAM BORDENKECHER, Foreman.

LEWIS J. AMOS, HENRY BILTZ and EDWARD HILTON, Assistants.

Wawasee Hatchery, Lake Wawasee, Kosciusko County

JOHN H. FLEMING, Foreman.

FRANK BROWN, Assistant.

Tri-Lakes Hatchery, Tri-Lakes, Whitley County

CHARLES D. LARAMORE, Foreman.

Bass Lake Hatchery, Bass Lake, Starke County

PETER J. LAVERY, Foreman.

GAME WARDEN SERVICE

RODNEY D. FLEMING, Chief Game Warden.

FREDERICK M. EHLERS, Secretary Game Warden Service.

GAME WARDENS ON SALARY

September 30, 1922

Baldwin, Lewis	Dixon, Clifton E.	Miles, Charles C.
Barber, Al. D.	Everson, W. H.	Mount, John H.
Beloat, Thomas H.	Foulke, Bernard A.	Neal, Oliver
Bravy, Jacob J.	Gilpin, Cecil R.	Pence, Irwin W.
Chamberlin, James D.	Hardy, Chance N.	Randall, John H.
Click, Emanuel	Havel, Jacob	Rohrabaugh, Roy
Cole, Edwin H.	Holstine, Arnold E.	Walker, Harry
Corbin, James M.	*Jones, Edward	Wilfong, Arvy
Crececius, Philip	†Kabrish, Charles H.	Wyatt, George W.
Davis, Robert H.	Lapham, Frank G.	

NUMBER OF PERSONS ON THE DIVISION'S PAYROLL

September 30, 1922

Forty-six persons were on the division's regular payroll September 30, 1922, an increase of two over the number employed on salary in

* Custodian McCormick's Creek State Park—Salary paid by Fish and Game Division.

† Custodian Clifty Falls State Park—Salary paid by Fish and Game Division.

1921. The number of persons employed in each of the four branches of the division at the beginning of the new fiscal year are: In the office, three, including the superintendent; game wardens, thirty-one; fish hatcheries, nine; organization of fish, game and bird protective associations, one; legal investigator, one; and sanitary engineer, one.

DIVISION SELF-SUPPORTING

The Division of Fish and Game is self-supporting. It receives no regular appropriation from the legislature, for the taxpayers of the state are not assessed a penny to operate it. The money received from licenses to hunt and fish, and a \$5.00 fee assessed as a part of the costs in cases of conviction or on pleas of guilty for violating the fish and game laws, is set apart and held in a separate fund in the state treasury. This fund is known as the fish and game propagation and protection fund. Under Sections 19, 20 and 21 of the Acts of 1919, pages 387-88-89, the duties of the division and the specific appropriation made for the division are printed in full.

MOTOR CARS

The number of motor cars owned and operated by the division in its work on September 30, 1922, is twenty. Of this number, fourteen Fords are operated by the game wardens in patrolling for violators in the various counties of the state. The other six are used in conducting the four state hatcheries. In the hatchery work, five trucks are used to transport young fish to applicants desiring to stock waters. Strict account is kept of every mile traveled by each car. The men in charge of each car are required to keep records on miles traveled weekly, along with the amount of gasoline, oil, tires, tubes and repairs paid for. By this means it is possible to ascertain the relative cost of operating each car, also the cost per mile. Tires and tubes are all furnished direct from the division's office. By keeping a record of the serial numbers on tires and charging them up to the various drivers when taken out, and checking them off when returned, it is possible to save considerable money on tires. Worn out tires and tubes must be returned to the office for inspection and adjustment.

DUTIES OF THE FISH AND GAME DIVISION

The Division of Fish and Game raises its own funds. The method of financing it and duties assigned to it are set forth in the act creating the Department of Conservation. See Acts 1919, page 387. Its duties are as follows:

1. To examine the various lakes, rivers, streams and water courses in the state and ascertain whether they can be rendered more productive in the supply of fish, and what measures are desirable and expedient to effect this object either in propagating and protecting the fish that at present frequent the same, or in the selection and propagation of other species therein, or both.

2. To inquire into and test the best methods of artificial propagation of fish in the various waters of the state, and procure and superin-

following table shows the receipts and disbursements of the Fish and Game Department for the last five years:

Receipts.		Disbursements.	
1918.....	\$89,149 96	1918.....	\$96,199 36
*1919.....	95,159 31	1919.....	81,418 50
1920.....	126,148 93	1920.....	109,918 56
1921.....	132,852 65	1921.....	116,267 83
1922.....	148,964 06	1922.....	132,788 26

NUMBER FEES AND AMOUNT COLLECTED THEREFROM YEAR, 1922

The number of fees of \$5.00 each collected from courts during the fiscal year 1922 numbered 1,573. The receipts of the division from this source totaled \$7,865.00. The sum so received is far larger than was ever collected before. To collect fees due, it is necessary to keep a docket record on every arrest reported for violation of the game and fish laws, along with full data relative thereto. The docket record requires constant posting.

NUMBER OF FEES COLLECTED IN THE LAST FIVE YEARS

	Number Fees Collected.	Amount Received.
1918.....	316.....	\$1,580 00
1919.....	662.....	3,310 00
1920.....	1,298.....	6,490 00
1921.....	1,268.....	6,340 00
1922.....	1,573.....	7,865 00

LICENSES SOLD IN FISCAL YEAR, 1922, AND FOR LAST FOUR PRECEDING YEARS

The total number of hunting and fishing licenses sold in the fiscal year 1922 to residents and non-residents was 153,392. County clerks and agents receive ten cents for their work in writing each license, therefore the division receives as its share but ninety cents on the bulk of the licenses sold. The following tables show the number and kind of each license sold in the last five years:

	Total Licenses Sold	Resident Hunting and Fishing	Non-resident Fishing	Non-resident Hunting
*1918.....	92,666	88,719	3,876	71
†1919.....	99,818	94,349	5,407	62
1920.....	128,298	119,931	8,274	93
1921.....	137,054	127,306	9,651	97
1922.....	153,392	143,093	10,183	116

Thirty-one licenses were issued in 1922 to fish in Lake Michigan with a boat and nets. Same are not included in above tables.

TABULATION OF LICENSES

The following is a complete tabulation of licenses issued in the various counties of the state, also a tabulation showing the increase and decrease in the sales recorded by each, in comparison with the year 1921. All counties except 14 registered gains.

*The receipts and disbursements for the year 1918 and for the first six months of the fiscal year 1919 were under the former fish and game department. Those for 1920, 1921 and 1922 were wholly under the present Division of Fish and Game.

†Licenses sold in 1918 and for the first six months of 1919 were under the former fish and game department. The sales for 1920, 1921 and 1922 were under the present Division of Fish and Game.

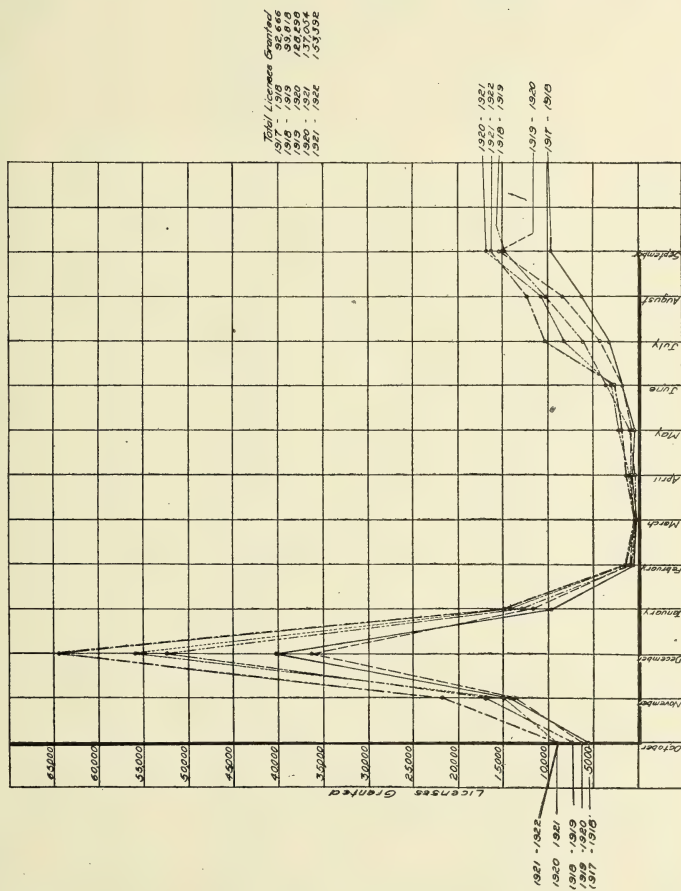


Chart showing sale of licenses for five fiscal years. The Department of Conservation assumed control on April 1, 1919

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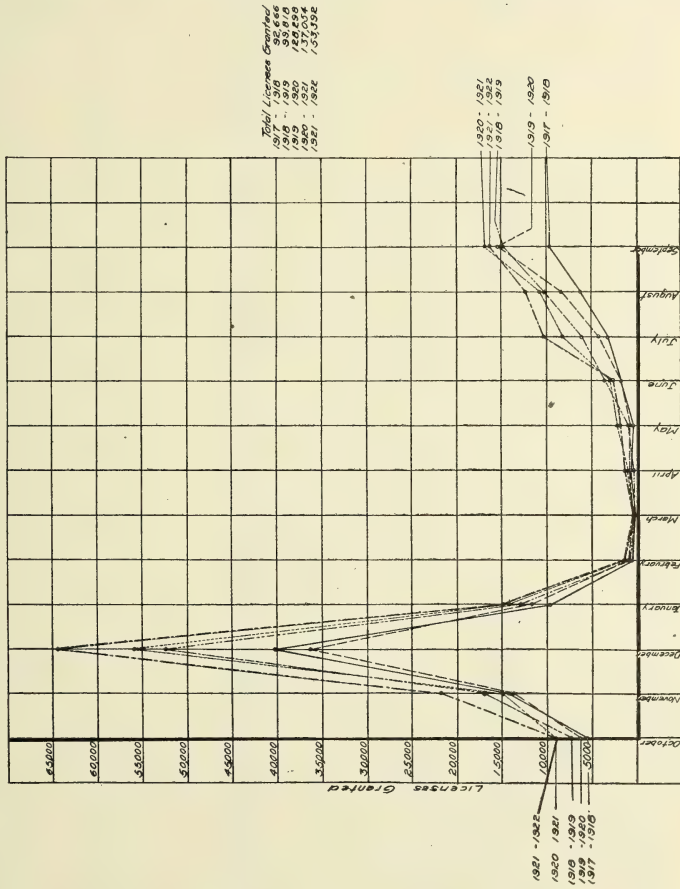


Chart showing sale of licenses for five fiscal years. The Department of Conservation assumed control on April 1, 1919

LICENSES ISSUED BY COUNTIES AND AGENTS FOR FISCAL YEAR ENDING
SEPTEMBER 30, 1922

COUNTY	Resident Hunting and Fishing	Non- Resident Fishing	Non- Resident Hunting
Adams.....	348	15	...
Allen.....	8,635	98	...
Bartholomew.....	1,476	...	...
Benton.....	265	...	...
Blackford.....	858	4	...
Boone.....	1,096	3	...
Brown.....	242	...	...
Carroll.....	510	8	...
Cass.....	2,439	15	1
Clark.....	1,026	13	...
Clay.....	1,774	2	...
Clinton.....	1,243	8	2
Crawford.....	282	...	...
Daviess.....	1,510	4	...
Dearborn.....	816	582	19
Decatur.....	919	12	...
Dekalb.....	2,411	145	1
Delaware.....	2,640	4	...
Dubois.....	956	...	...
Elkhart.....	2,802	215	...
Fayette.....	1,122	2	...
Floyd.....	1,386	57	...
Fountain.....	549	121	4
Franklin.....	634	368	4
Fulton.....	1,858	213	...
Gibson.....	1,460	83	...
Grant.....	2,736	6	...
Greene.....	2,313	2	...
Hamilton.....	835	9	...
Hancock.....	975	1	...
Harrison.....	420	9	...
Hendricks.....	604	...	...
Henry.....	1,555	1	...
Howard.....	3,400	4	...
Huntington.....	2,163	17	...
Jackson.....	1,242	6	3
Jasper.....	585	4	1
Jay.....	1,067	9	...
Jefferson.....	620	...	1
Jennings.....	569	1	2
Johnson.....	846	...	...
Knox.....	1,865	105	1
Kosciusko.....	3,348	407	1
Lagrange.....	1,055	135	...
Lake.....	5,348	2,064	36
Laporte.....	2,193	106	6
Lawrence.....	1,735	3	...
Madison.....	3,719	...	1
Marion.....	15,043	66	2
Marshall.....	1,803	95	...

LICENSES ISSUED BY COUNTIES AND AGENTS OR FISCAL YEAR ENDING SEPTEMBER 30, 1922,

Continued.

COUNTY	Resident Hunting and Fishing	Non- Resid ent Fishing	Non- Resident Hunting
Martin.....	293	...	1
Miami.....	2,067	15	...
Monroe.....	1,255	...	1
Montgomery.....	1,446	3	...
Morgan.....	955	1	...
Newton.....	260	45	1
Noble.....	1,048	64	...
Ohio.....	105	...	...
Orange.....	764	...	1
Owen.....	529	1	...
Parke.....	861	30	...
Perry.....	485	3	...
Pike.....	969	...	1
Porter.....	770	65	1
Posey.....	937	...	...
Pulaski.....	458	32	...
Putnam.....	996	...	...
Randolph.....	1,145	22	...
Ripley.....	1,101	37	5
Rush.....	801	...	...
Scott.....	112	2	...
Shelby.....	804	1	...
Spencer.....	764	...	...
Starke.....	811	204	6
Steuben.....	2,169	992	3
St. Joseph.....	4,302	9	...
Sullivan.....	1,526	4	...
Switzerland.....	154	...	1
Tippecanoe.....	2,188	21	...
Tipton.....	465	...	...
Union.....	150	7	...
Vanderburgh.....	2,906	...	...
Vermillion.....	1,166	129	1
Vigo.....	4,053	6	...
Wabash.....	1,593	15	...
Warren.....	313	9	...
Warrick.....	872	...	...
Washington.....	535	1	...
Wayne.....	2,299	35	9
Wells.....	840	1	...
White.....	936	39	...
Whitley.....	1,094	59	...
Agents outside Marion county and in other States.....	...	3,309	...
Total.....	143,093	10,183	116

LICENSES ISSUED BY COUNTIES AND AGENTS SHOWING GAIN OR LOSS OVER FISCAL YEAR 1921

COUNTY	Fiscal Year 1921	Fiscal Year 1922	Gain	Loss
Adams.....	664	863	199	...
Allen.....	8,284	8,733	449	...
Bartholomew.....	979	1,476	497	...
Benton.....	177	265	88	...
Blackford.....	783	862	79	...
Boone.....	662	1,099	437	...
Brown.....	136	242	106	...
Carroll.....	311	518	207	...
Cass.....	2,737	2,455	...	282
Clark.....	1,182	1,039	...	143
Clay.....	1,582	1,776	194	...
Clinton.....	943	1,253	310	...
Crawford.....	152	282	130	...
Daviess.....	1,056	1,514	458	...
Dearborn.....	981	1,417	436	...
Decatur.....	761	931	170	...
Dekalb.....	2,292	2,557	265	...
Delaware.....	2,856	2,644	...	212
Dubois.....	874	956	82	...
Elkhart.....	2,910	3,017	107	...
Fayette.....	954	1,124	170	...
Floyd.....	1,568	1,443	...	125
Fountain.....	415	674	259	...
Franklin.....	753	1,006	253	...
Fulton.....	1,824	2,071	247	...
Gibson.....	1,337	1,543	206	...
Grant.....	2,581	2,742	161	...
Greene.....	1,655	2,315	660	...
Hamilton.....	805	844	39	...
Hancock.....	516	976	460	...
Harrison.....	436	429	...	7
Hendricks.....	458	604	146	...
Henry.....	1,544	1,556	12	...
Howard.....	2,892	3,404	512	...
Huntington.....	2,242	2,180	...	62
Jackson.....	892	1,251	359	...
Jasper.....	454	590	136	...
Jay.....	1,033	1,076	43	...
Jefferson.....	638	621	...	17
Jennings.....	301	572	271	...
Johnson.....	532	846	314	...
Knox.....	1,622	1,971	349	...
Kosciusko.....	3,556	3,756	200	...
Lagrange.....	1,109	1,190	81	...
Lake.....	6,625	7,448	823	...
Laporte.....	2,332	2,305	...	27
Lawrence.....	1,555	1,738	183	...
Madison.....	3,753	3,720	...	33
Marion.....	14,111	15,111	1,000	...
Marshall.....	1,821	1,898	77	...
Martin.....	233	294	61	...
Miami.....	1,720	2,082	362	...
Monroe.....	929	1,256	327	...
Montgomery.....	1,320	1,449	129	...
Morgan.....	657	956	299	...

COUNTY	Fiscal Year 1921	Fiscal Year 1922	Gain	Loss
Newton.....	282	306	24	...
Noble.....	1,060	1,112	52	...
Ohio.....	59	105	46	...
Orange.....	673	765	92	...
Owen.....	443	530	87	...
Parke.....	633	891	258	...
Perry.....	516	488	...	28
Pike.....	686	970	284	...
Porter.....	783	836	53	...
Posey.....	914	937	23	...
Pulaski.....	381	490	109	...
Putnam.....	951	996	45	...
Randolph.....	1,098	1,167	69	...
Ripley.....	778	1,143	365	...
Rush.....	597	801	204	...
St. Joseph.....	1,914	4,311	2,397	...
Scott.....	118	114	...	4
Shelby.....	562	805	243	...
Spencer.....	525	764	239	...
Starke.....	605	1,021	416	...
Steuben.....	4,861	3,164	...	1,697
Sullivan.....	1,507	1,530	23	...
Switzerland.....	62	155	93	...
Tippecanoe.....	1,588	2,209	621	...
Tipton.....	370	465	95	...
Union.....	109	157	48	...
Vanderburgh.....	3,142	2,906	...	236
Vermillion.....	1,038	1,296	258	...
Vigo.....	4,055	4,059	4	...
Wabash.....	1,486	1,608	122	...
Warren.....	219	322	103	...
Warriek.....	912	872	...	40
Washington.....	378	536	158	...
Wayne.....	2,250	2,343	93	...
Wells.....	781	841	60	...
White.....	823	975	152	...
Whitley.....	896	1,153	257	...
Agents.....	3,504	3,309	...	195
Totals.....	137,054	153,392	19,446	3,108
Net Gain—16,338.				

ARRESTS AND CONVICTIONS MADE FOR VIOLATION OF THE FISH AND GAME LAWS

The number of arrests made in the fiscal year ending September 30, 1922, was 1,767. The convictions numbered 1,666. Persons acquitted numbered 51, and undisposed cases numbered 50. Comparing the record of the fiscal year just closed with that of the year previous shows an increase of 280 in arrests and 279 convictions for 1922. The fines and costs assessed against violators amounted to \$36,116.50. In the fiscal year previous they were \$3,968.69 less, or \$32,147.81.

GAME WARDENS

The maximum number of game wardens employed on regular salary during the fiscal year 1922 was never more than twenty-nine. The large number of arrests and convictions secured was due to the efficiency of the men employed. Very few arrests for violations of the fish and game laws were made by other persons than the regular wardens; in fact, less than 100 arrests of the 1,767 arrests recorded, were made by other officers. The division has issued non-salaried commissions to sixty persons, yet with an exception here and there none of these wardens ever arrest anyone. Experience teaches that one cannot become a good game warden without first learning the tricks of the fish pirate and game hog. It requires many days of experience in the field before success can be achieved. Indiana game wardens are acknowledged to be as good as the best, if not the best wardens on any force in the United States. The high plane reached by the warden service in this state is due largely to the efforts of the Director of the Department, who has immediate supervision of this work, and is ex-officio head of the service. On later pages of this report further facts and figures relative to the game warden service are set forth.

The following table shows the number of arrests and convictions made during the fiscal year, also the number of dismissed and pending cases, along with the total fines and costs assessed:

1921	Arrests	Convictions	Dismissed	Continued	Fines and Costs
October.....	179	173	3	3	\$3,848 75
November.....	410	394	9	7	8,628 60
December.....	200	181	5	14	4,271 10
1922					
January.....	76	70	2	4	1,632 60
February.....	23	21	1	1	495 00
March.....	16	15	0	1	358 35
April.....	102	102	0	0	2,177 95
May.....	125	117	7	1	2,222 30
June.....	162	149	8	5	2,899 30
July.....	271	263	8	0	5,233 65
August.....	117	112	4	1	2,140 75
September.....	86	69	4	13	2,208 15
Total.....	1,767	1,666	51	50	\$36,116 50

RECORD OF ARRESTS, CONVICTIONS AND AMOUNT OF FINES AND COSTS FOR FOUR
PRECEDING YEARS, SHOWING COMPARISONS

	Arrests	Convictions	Fines and Costs
1918.....	369	347	\$7,303 00
1919.....	800	713	16,300 15
1920.....	1,421	1,325	32,585 44
1921.....	1,487	1,387	32,147 81
1922.....	1,767	1,666	36,116 50

Note—The year 1918 and first half of 1919 were under the former fish and game department. The years 1920, 1921 and 1922 were wholly under the Division of Fish and Game.

The following is a list of offenses committed showing arrests, convictions, cases dismissed and pending, and total fines and costs assessed for fiscal year 1922:

OFFENSE	Arrests	Convictions	Dismissed	Continued
Fishing and hunting without license.....	580	561	14	5
Possession and taking fur and fur-bearing animals closed season.....	368	351	11	6
Possession nets.....	217	206	7	4
Hunting on Sunday.....	109	102	1	6
Taking undersized fish.....	84	82	2	.....
Hunting without permission.....	52	51	.....	1
Possession of spears.....	45	44	1	.....
Netting fish.....	42	39	3	.....
Hunting with ferret.....	41	40	.....	1
Taking fish in closed season.....	30	26	1	3
Digging out fur-bearing animals.....	23	23	.....	.....
Possession of fish trap.....	23	21	.....	2
Possession of ferrets.....	19	10	.....	9
Killing wild birds.....	17	17	.....	.....
Killing squirrel, closed season.....	14	13	1	.....
Killing quail, closed season.....	12	9	2	1
Pollution of stream.....	11	2	1	8
Shooting waterfowl between sunset and sunrise.....	9	9	.....	.....
Hunting closed season.....	9	9	.....	.....
Shooting on highway.....	9	9	.....	.....
Dynamiting.....	8	4	4	.....
Using trot line or set line illegally.....	7	6	.....	1
Illegal ice fishing.....	7	4	.....	3
Taking fish with the hands.....	6	6	.....	.....
Trapping fish.....	6	4	2	.....
Killing wild deer.....	4	3	1	.....
Fishing in private pond.....	4	4	.....	.....
Spearing fish.....	3	3	.....	.....
Shooting fish.....	2	2	.....	.....
Possession squirrel closed season.....	1	1	.....	.....
Setting traps unlawfully.....	1	1	.....	.....
Possession more than 50 bluegills.....	1	1	.....	.....
Selling game fish.....	1	1	.....	.....
Killing prairie chickens, closed season.....	1	1	.....	.....
Killing pheasant.....	1	1	.....	.....
Totals.....	1,767	1,666	51	50

Fines and Costs in 1,666 cases.....\$36,116 50

PROGRESS IN FISH CULTURE

There can be no doubt that fish culture and the stocking of the state's lakes, streams and ponds has become the most interesting and popular branch of the division's work. No matter how intensely the fish pirate may hate a game warden, he nevertheless is glad to see the streams stocked, so that there may be some fish to take with net, trap or spear. On the other hand the interest of the law-abiding anglers of the state, many of whom are members of county clubs and associations formed for the protection of game and fish, has been greatly aroused. In the year just passed hardly any of the hundred and more protective associations failed to apply or overlooked the opportunity of getting a supply of fish for stocking waters in their respective counties. Likewise among the farmers of the state a very noticeable interest was taken in the building of ponds on their lands. The requests for fish for stocking purposes has outgrown our ability to meet the demand. The building of an additional hatchery in the southern part of the state will help to take care of this to a considerable extent. A new hatchery will be established in southern Indiana as soon as it can be built.

INDIANA LATE IN ESTABLISHING HATCHERIES

Fourteen years ago the propagation of black bass was first undertaken by the members of the Marion County Fish and Game Protective

Association, of Indianapolis, and as far as known the bass they reared in their private hatchery near Allisonville, eleven miles north of Indianapolis, were the first small-mouth bass ever propagated in a scientific way in Indiana. The members of this association were the first also to undertake the artificial hatching of fish eggs in jars, which they successfully accomplished in the spring of 1911. The early experiments made by these men and the success they finally achieved in fish culture, had a far-reaching influence on the Legislature. Had the association not set its mind on forcing the state into the work, perhaps the propagation of fish would have been delayed even longer, for it was not until 1914 that the state established a hatchery and began the propagation of fish for stocking public waters.

NUMBER OF HATCHERIES OPERATED IN 1922

Four fish hatcheries were operated during the fiscal year 1922. Combined they contain fifty-five ponds.

The Riverside Station at Indianapolis, consists of twenty-six ponds; Wawasee Station, fifteen; Bass Lake Station, eight, and Tri-Lakes Station, six. The kinds of fish reared at the several hatcheries were as follows: At Riverside, the two species of black bass, bluegills, rock bass, crappies and wall-eyed pike, the latter species from eggs artificially hatched in jars; at Wawasee Station, large-mouth black bass, bluegills and crappies; at Bass Lake Station, large-mouth and small-mouth black bass; at Tri-Lakes Station, large-mouth black bass and yellow perch.

The output of a fish hatchery can never be foretold. Some seasons the best prospects are ruined by unfavorable weather conditions. A sudden drop in temperature, especially if it gets below 50, will destroy the eggs of the black bass, or cause the males to leave their nests.

The rearing of fishes propagated from breeders in ponds is far more costly than the artificial propagation of fish eggs secured by the process of stripping. Artificially impregnated with the milt from the male, such eggs can be hatched in jars at little expense. There are but few fishes native to Indiana waters, however, the eggs of which can be artificially taken and propagated. The most valuable of these species is the pike-perch, commonly called the wall-eyed pike. There are two species which the division finds possible to propagate artificially. They are the wall-eyed pike and the yellow perch, both of which belong to the same family of fishes. No stripping of fish is done, however, in the case of the yellow perch. The breeding fish are allowed to throw their spawn in the hatchery ponds on brush especially provided, from which it is gathered in buckets with a forked stick, and placed in hatching jars, fed by a constant stream of water. Their spawn is voided in ribbonlike masses. The wall-eyed pike spawn a few weeks earlier than the yellow perch, usually late in March or early in April. No eggs are gathered in our state, as the waters do not contain enough fish of this species to warrant any attempt to net them. The eggs are purchased in our neighboring state of Michigan from commercial fishermen who are authorized to take the fish for commercial purposes after their spawn has been removed. The consent of the Michigan department is necessary, as it has jurisdiction over the fish in the waters of the Great Lakes within its

boundaries. The eggs are purchased for fifty cents per quart. They will run about 150,000 to the quart. To secure the eggs two men and a truck are sent to Michigan with shipping cases especially constructed for transporting fish eggs. The eggs are kept under a low temperature by packing the case with ice. The eggs hatch in from seven to twenty-eight days, depending on the temperature of the water. At forty-eight degrees they hatch in eighteen days and produce vigorous and healthy fry. A hatch of fifty per cent of wall-eye eggs is considered excellent. The fry coming from the hatching jars are held in retaining tanks for several days before planting, but are never held longer than five or six days, owing to cannibalism, which starts as soon as the umbilical sack is consumed. Wall-eyes are seldom held for rearing to the fingerling stage due to their voraciousness.

An experiment was tried at the Riverside State Hatchery in 1921 to see how fast the fry would grow. About 20,000 fry were placed in a half acre pond early in April. In September, a few had grown to be from nine to eleven inches in length, and one fish reached the enormous size of seventeen inches by October. Of the 20,000 fry but 1,325 were reared to fingerlings. Had the pond been used for rearing the same quantity of black bass or bluegills it would have produced many thousands more of young fishes for stocking purposes.

SIZE REGULATES VALUE FOR STOCKING PURPOSES

Relatively 100,000 wall-eye fry are equal to from 100 to 1,000 black bass for stocking purposes, depending upon the size of the latter. As many as 100,000 wall-eye fry can be carried in a ten-gallon milk can, whereas the same receptacle will carry but 2,000 to 3,000 black bass fry, the latter being considerably larger in size. A ten-gallon can, however, will carry only 100 to 300 fingerling bass two inches in length. For stocking purposes the above amounts give a fair ratio of value, since the losses after planting from various causes are about in this proportion. Fingerlings always have a better chance to survive than minute fry.

IMMENSE PRODUCTION OF BASS

The output of black bass at the state hatcheries during the past season (1922) was materially increased. In fact, the number reared was twice that ever produced at the hatcheries in any one year. The number of bass reared was in excess of 1,000,000. The superintendent of state fish hatcheries, Mr. George Berg, in his report in later pages of this report, gives a detailed statement of the number of each species of fish reared at all hatcheries, with a list of the names of the lakes, streams and ponds where they were planted in the several counties, the name of the applicant, and the amount of fish of the various species introduced. His report will show also the plantings made by the United States Bureau of Fisheries in Indiana waters during the fiscal year ending June 30, 1922, along with total output of all of the federal hatcheries operated in many states in that fiscal year. Another addition to this year's report is a statement showing the number of each species of fish propagated by the state since 1914, when the first fish hatchery was put into operation.

In connection with the output of fishes produced for stocking purposes, it must not be forgotten that the artificial propagation of fish eggs in jars and the planting of fry is far easier and less expensive than that of pond rearing. In the first named method the young are planted as fry. Pond culture requires the constant holding and feeding of over a thousand or more parent fish, and in addition, providing natural food for the millions of young they produce, and which must have food to be grown to the fingerling stage. The terms applied to young fishes at various stages of development are as follows: Fish just out of the egg and living on the umbilical sack, are called fry; fishes with the sack consumed, but less than one inch in length, advanced fry; fishes over one inch in length, but less than two inches, fingerlings, No. 1; fishes over two but less than three inches, fingerlings, No. 2, and so on; fishes one year old are called yearlings. Most of the species of fish inhabiting Indiana waters become parent fish when two years old. This means that they have arrived at an age when they will spawn and reproduce themselves.

FOOD IS AN IMPORTANT FACTOR

Experiments carried on at the hatcheries have proven without doubt that the growth of fishes depends mainly on the amount of food they receive. Young bass placed in ponds at a length of one-half inch have been grown to a size of nine inches and more in four months. This remarkable growth was secured by placing the young bass in ponds containing young gold fish and carp. The small bass at first fed upon the plankton in the ponds which contained mainly cypris, cyclops, daphnia and gammarus. Later they began to feed upon the small gold fish and carp. It is needless to say that there were very few of the latter left when the pond was drained.

THE MENACE OF POLLUTION

Indiana has thirty big rivers, sixty large creeks and several hundred large lakes. Its fishing possibilities are greater than many of our residents suppose. A serious menace to the fish in our waters, however, is the pollution of streams which year by year grows worse. Wherever we find a large city situated on the banks of a stream we need not expect to catch fish. During the months of August and September, when the streams are low, the pollution of streams does most harm. Canning factories, straw-board mills and other manufacturing plants seem to think they have a God-given right to drain their noxious, putrescible and poisonous wastes into streams without the least effort to render the same harmless. Such people think of themselves only. Annually complaints come to the division of thousands of fish being killed by factory waste. Affidavits were filed against a score of factories for killing fish in the past fiscal year, and unless the offenders install some means of taking care of their waste, it will become necessary to refile them again next year. To stock a stream and then have the fish killed by factory waste is not alone disappointing to those who have applied for them, but it is wasting the time and money of the state to furnish fish for such localities. Water is one of the primary resources necessary for our existence. Without pure water we cannot live. Such being the case, one wonders why it is

possible that the laws of the state are not so made that it becomes a criminal act to pollute a water course to the extent that it becomes unfit for human beings to make any use of it. In past years much has been said and written about pure foods, and legislation has been enacted regulating the purity thereof. We hear but little said, however, about the purity of water, which is just as necessary for our existence. In fact, many foods are rendered pure by boiling. No one would care to use polluted water to make food pure, then why pollute water so that it must be boiled or otherwise treated to make it pure?

REMARKABLE INCREASE IN THE NUMBER OF QUAIL IN INDIANA

Reports received from every quarter of the state and from the writer's personal observation bear out the statement heard on every hand that quails are more plentiful in Indiana than for many years. One has but to drive along a country road to see quails on every hand. The increased number of these game birds is due to several causes. In the first place, they are not shot at to any great extent, because very few farmers care to shoot them, nor will they permit others to do so. There has been a far-reaching interest aroused among land owners for the protection of quails. Many of them look after their safety in the winter by seeing that they get food and shelter. The hunter who lives in the city who hunts quail with a dog is also interested in their protection, provided he is of the class that wants to see the laws enforced. The Fish and Game Division last winter sent out a letter on the feeding and wintering of birds which was printed in whole or in part by many newspapers about the state. The contents of this letter had much to do with creating a sentiment for quail protection. Three attempts were made in the regular session of the legislature of 1921 to establish a perpetual closed season on quail. All were defeated because they lacked the support of this division. Experience has taught that simply passing an act does not mean that it will be obeyed. Leaving a loophole for all persons to be law-abiding is better than to force them to be violators. Any farmer who has quail on his land can make a closed season on quail if he chooses. All he has to do is to allow no one to hunt them. Should he wish, however, to shoot a few, he can lawfully do so by waiting until the season is open. Under a perpetual closed season, he would lose his power and control. The prevalence of quail in the state today proves beyond a doubt that present laws protecting quail are adequate. Perhaps the greatest factor in their protection is their non-sale. Favorable weather conditions, such as mild winters, with little ice and snow, and dry seasons giving the birds a chance to bring off their young are also big factors in making quail more plentiful.

STATE FAIR EXHIBITS

Annually since 1916 the Fish and Game Department has made an exhibit of live fish and game birds at the Indiana State Fair. The display at the State Fair of 1922 was held during the week of September 4th to 9th, and was one exclusively of fish. Fifty-two tanks of live fish, comprising nearly every species of fish of any importance in Indiana

waters, were shown. The exhibits are made for educational purposes. The fish laws of the state protect certain species, both by a length limit and number to be caught per day. Unless persons know the various species they cannot tell when they violate a law.

MOTION PICTURES

Eleven reels of motion pictures portraying the work of the Fish and Game Division have been made within the last two years. These pictures make it possible for persons to get a comprehensive idea of how the division's work is carried on. The pictures show practical work as carried on at the fish hatcheries, and the work of the game wardens in the field. They provide an interesting part of any program of an evening's entertainment. In the fall and winter they are used extensively by fish and game protective associations at their meetings and banquets. They have also been loaned to churches and schools. The pictures are loaned free of charge, the only expense connected with their use being that of expressage to and from the division's office in the State House.

FISH, GAME AND BIRD PROTECTIVE ASSOCIATIONS

As set down in the act creating the present Department of Conservation, one of the duties of the Division of Fish and Game is to encourage and assist in the organization of fish and game protective associations. Indiana for its size, has perhaps more clubs and associations organized for wild life protection than any other state in the Union. Many years ago W. T. Dennis, who served as Commissioner of Fisheries from 1889-1893 agitated the formation of sportsmen's organizations to aid him in securing more stringent laws and to bring about a better observance of the same. He succeeded in enlisting a number of sportsmen in the cause and they aided him greatly, but after he left office, little more was heard of the state organizations effected during his term of office. In 1911, through the efforts of the Marion County Fish and Game Protective Association, which association has become noted for its success in fish culture, attempted the formation of a state league, composed of fish and game protective associations then in the state. The venture met with success and today this league, called the Indiana Fish, Game and Forest League, is a strong and powerful organization composed of over fifty county organizations. These clubs and associations have exerted a very powerful influence in holding down violations, and have done much to create sentiment for law enforcement. They have been very helpful to the Division of Fish and Game. To assist in their formation the state has employed an organizer, who is constantly in the field. This work has been in charge of Andrew E. Bodine, of Marion, Indiana. Mr. Bodine has succeeded in forming an organization for wild life conservation in nearly every county of the state. His services are available when needed. Mr. Bodine is secretary of the Indiana Fish, Game and Forest League. By holding this office as well as the position of state organizer, he can keep in constant touch with the sportsmen of the state. At no time in the state's history was there a closer union between the State Department and the sportsmen than exists at the present time. At the end of the

fiscal year 1922, one hundred and forty-three fish and game protective clubs and associations are listed in the office of the Fish and Game Division. This is a gain of nineteen over the number listed at the end of the fiscal year 1921. A list of these organizations, along with the name of the principal officers, is printed in later pages of this report under the heading, "Annual Report of the State Organizer."

ANNUAL MEETING OF THE INDIANA FISH, GAME AND FOREST LEAGUE

The eleventh annual meeting of the Indiana Fish, Game and Forest League will be held in Indianapolis on the 26th of October. The league's constitution provides that the annual meeting be held on the last Thursday in October of each year. The superintendent of the division fully appreciates the importance of this meeting. It gives him an opportunity to meet and discuss game and fish conservation with men who really are interested. It will be a clearing house for the best thought and ideas of fish and game conservation. In numbers the coming meeting will undoubtedly be large. A prediction is made by the writer that it will be the largest and most important one sportsmen ever held in Indiana. What will make it so is the rumor that a movement has been started to take from the division by legislative action its accumulated funds, amounting at the end of the fiscal year to the sum of \$83,389.59. This sum has been husbanded for particular purposes; mainly to pay for buildings at some of the hatcheries already in operation, and for additional land, buildings and ponds to construct the new hatchery in Lawrence county. The money paid in by the hunter and fishermen for licenses is now the money which supports the Division of Fish and Game. It is the sportsmen's money and it behooves them to see that unfriendly interests do not divert it or the surplus the division has to its credit now for other uses than for fish and game protection and propagation. In no way does the taxpayer have to pay for maintaining the Fish and Game Division. It costs him nothing. It is almost inconceivable to believe that the movement to misappropriate the sportsmen's money will win out. Should it come to pass, however, wild life conservation in the State of Indiana will be relegated to the rear, perhaps never again to take on the impetus it has gained in the past three years. It behooves the members of the league and the hunter and fisherman to keep a sharp lookout for their interests in the future.

RECOMMENDATIONS FOR CHANGES IN FISH AND GAME LAWS

The legislation the superintendent of fisheries and game believes would lead to better protection to fish and game is as follows:

1. Making a change in term of licenses, making them good only for current year to December 31st of each year, and adding ten cents to cost, making them \$1.10.
2. Raising the price of non-resident fishing licenses to \$2.25.
3. Regulating the taking of mussels by license and establishing a closed season during the time the bass spawn.
4. Adding the crappie, rock bass or goggle eye to the present list of fish protected by closed season from April 30th to June 16th.

5. Placing a length limit of five inches on bluegills and rock bass.
6. Reducing the number of the daily catch of bass to ten a day; on bluegills, crappie and rock bass to twenty-five per day.
7. Making Indiana laws conform to federal regulations on water fowl and other migratory birds, as they now conflict.
8. Establishing a closed season on rabbits from January 1st to October 1st.
9. Establishing a trapper's license, both resident and non-resident.
10. Law making it unlawful to hunt at night.
11. Establishing by law what constitutes a private pond.
12. Abolishing the bounty on foxes.
13. Repeal of the act giving Civil War veterans the right to hunt and fish without a license.
14. Increasing the fines in all cases of violation to at least \$10.00.
15. Reducing the fine in ferret cases to \$25.00.
16. Restricting fishing without licenses to one's own county.

EXTENSION OF THANKS

The superintendent of fisheries and game desires to extend his thanks to the many persons who have aided him in his work of conducting the Fish and Game Division. With competent assistants he could not have accomplished the record the division has made. Surrounded by willing workers all interested in pushing forward the division's several duties, the prospects for the oncoming fiscal year at present seem favorable. Thanks are especially due to the many newspapers of the state which opened their columns to the printing of articles on wild life conservation, and gave extracts from letters sent out by the division to fish and game protective associations monthly. The value of these articles cannot be overestimated, for they help to mold public opinion. The general interest of the public has certainly been aroused. It is reflected in the vastly larger correspondence the division is now obliged to handle. For instance, the number of pieces of mail received and sent out by the division in the fiscal year 1922, was 24,502, a gain of 3,364 over the number it handled in 1921, and 9,348 more than in 1920. In conclusion the division extends thanks to the organized sportsmen of the state, the Conservation Commission, and the Director of the Department, Mr. Richard Lieber, for their help and support.

FINANCIAL STATEMENT

An itemized statement of receipts and disbursements of the Division of Fish and Game will be found on other pages of this report.

REPORT OF THE SUPERINTENDENT OF HATCHERIES

The production of bass and other pond fish at the four state fish hatcheries showed a very gratifying increase in the season of 1922. The production of bass and yellow perch both exceeded the million mark for the first time since the state began the propagation of these species.

It is seldom that we have a season in which the weather conditions are favorable to both the pond culture and the artificial hatching work. The season of 1922 was no exception to the rule, as the stormy weather during the spawn-taking period in late March and early April was responsible for the very poor grade of pike perch eggs taken on the great lakes, whence our supply comes. The quality of pike perch eggs this season was so poor as to hardly pay for the running of them. At the Tri-Lakes hatchery some trouble was experienced with the pumping system and the pike perch eggs were planted before they were hatched. The hatching battery was later used for yellow perch work and an increased output of this species was the result.

The number of applications filled this season is 720. This number compared to the number filled in 1921, which was 399, hardly begins to show the increased interest displayed in the stocking of waters, both public and private, as our files are closed on April 1st for the acceptance of the applications to be filled during the current season. There are several hundred applications on file at this time for the season of 1923, which is the accumulation since April 1st. Preference is always given to applications filed by fish and game protective bodies. This fact is generally known and taken advantage of by most organizations. Fish were supplied to 65 Fish and Game Protective Associations during 1922.

Some counties are blessed with more suitable bodies of water in which to plant fish, and it is in these counties that most of the fish are planted. However, every county in the state has streams, lakes or ponds of some character, and the stocking of these should not be overlooked by the people interested in them. How wide-spread the interest is in restocking the lakes and streams with fish is proved by the number of counties receiving fish in 1922, which is 81 of the 92 counties.

During the spring freshets when all bayous and low lands adjacent to streams are overflowed fish migrate to these places to spawn. Later when the water recedes it leaves them landlocked and numbers of fish are trapped with no chance to escape to the stream. Each season during the months of August and September when the waters are at the lowest ebb, and the fish that are trapped in these places in danger of perishing, rescue work is carried on. A crew of men with a motor truck equipped with seines, buckets, tubs and cans are sent to these places; the fish are seined out and returned to the main stream. A record is kept of the number and species of fish rescued and will be found in the list of tables given below. Large numbers of fish are being saved in this manner every year which would otherwise be lost and the work is being extended each season.

The spawning season for fish in the spring of 1922 was a favorable one in most waters, and following the very excellent season of 1921 the results are very promising for good fishing. There is hardly a piece of suitable water in our state anywhere which does not have an abundance of young fish and reports are heard on every hand of good catches of fish being taken.

The value of intensive and extended stocking of waters is illustrated in Bass Lake, Starke County. Prior to 1914 the fishing in this lake was very poor, indeed. A small hatchery was established at the lake by the

Bass Lake Business Men's Association, in which bass were hatched. The output was all planted in Bass Lake. This hatchery has since been taken over by the state and enlarged. It now serves the waters of the north-western part of the state. Along with the bass planted in the lake from this small hatchery were pike perch, commonly called wall-eyed pike, which the state started propagating in 1914. This planting has been kept up almost yearly with the result that some of the best wall-eye fishing to be had anywhere is found at Bass Lake. Bass, bluegill and crappie fishing has also shown a great improvement at this lake. Other lakes stocked with pike perch fry are beginning to pay a return according to reports coming from Wawasee, Maxinkuckee and other of the larger lakes.

During the season of 1923 a new hatchery will be built at Avoca, in Lawrence County, where an excellent site was located with an abundance of fine spring water. The station will consist of eleven ponds in which both kinds of bass, bluegills and crappie will be propagated to supply the streams of southern Indiana. The location of this hatchery will greatly facilitate the delivery of fish to the waters of this locality, which is now done from the Riverside hatchery at Indianapolis.

The following tables, five in number, will give data on the work in the hatchery service for 1922. The tables are listed in the following order:

1. Summary of fish reared at each station ;
2. Summary by species of all fish reared at the State hatcheries ;
3. Rescued fish ;
4. Summary of fish reared by Fish and Game Associations ;
5. Table of fish reared by the State since 1914.

SUMMARY OF DISTRIBUTION, WAWASEE HATCHERY, 1922

Large-Mouth Black Bass—No. 1 Fingerlings.....	46,562	
Large-Mouth Black Bass—No. 2 Fingerlings.....	8,500	
Large-Mouth Black Bass—No. 4 Fingerlings.....	7,507	62,569
Bluegills—No. 1 Fingerlings.....	24,311	
Bluegills—No. 2 Fingerlings.....	150	24,461
Crappie—No. 2 Fingerlings.....	3,700	
Crappie—No. 3 Fingerlings.....	611	4,311
Yellow Perch—No. 4 Fingerlings.....		552
Total.....		91,893

SUMMARY OF DISTRIBUTION, TRI-LAKES HATCHERY, 1922

Large-Mouth Black Bass—Advanced Fry.....	24,000	
Large-Mouth Black Bass—No. 1 Fingerlings.....	4,250	
Large-Mouth Black Bass—No. 2 Fingerlings.....	10,160	
Large-Mouth Black Bass—No. 3 Fingerlings.....	6,640	
Large-Mouth Black Bass—No. 4 Fingerlings.....	500	45,550
Pike-Perch—Eggs.....		1,000,000
Yellow Perch—Fry.....	1,190,000	
Yellow Perch—No. 1 Fingerlings.....	7,200	
Yellow Perch—No. 2 Fingerlings.....	9,500	
Yellow Perch—No. 3 Fingerlings.....	2,750	1,209,450
Catfish—No. 1 Fingerlings.....		7,699
Total.....		2,262,699

SUMMARY OF DISTRIBUTION, BASS LAKE HATCHERY, 1922

Small-Mouth Black Bass—Advanced Fry.....	8,000	
Small-Mouth Black Bass—No. 1 Fingerlings.....	39,850	
Small-Mouth Black Bass—No. 2 Fingerlings.....	4,693	
Small-Mouth Black Bass—No. 4 Fingerlings.....	1,100	53,643
Large-Mouth Black Bass—No. 1 Fingerlings.....	36,150	
Large-Mouth Black Bass—No. 2 Fingerlings.....	1,500	
Large-Mouth Black Bass—No. 3 Fingerlings.....	2,147	
Large-Mouth Black Bass—No. 4 Fingerlings.....	397	40,194
Bluegills—No. 2 Fingerlings.....	750	
Bluegills—No. 4 Fingerlings.....	355	1,105
Crappie—No. 5 Fingerlings.....		4
Catfish—No. 4 Fingerlings.....		22
Total.....		94,968

SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 1922

Small-Mouth Black Bass—No. 1 Fingerlings.....	5,500	
Small-Mouth Black Bass—No. 2 Fingerlings.....	7,700	
Small-Mouth Black Bass—No. 3 Fingerlings.....	8,250	
Small-Mouth Black Bass—No. 6 Fingerlings.....	250	21,700
Large-Mouth Black Bass—Advanced Fry.....	845,000	
Large-Mouth Black Bass—No. 1 Fingerlings.....	18,400	
Large-Mouth Black Bass—No. 2 Fingerlings.....	14,550	
Large-Mouth Black Bass—No. 3 Fingerlings.....	17,450	
Large-Mouth Black Bass—No. 4 Fingerlings.....	6,360	
Large-Mouth Black Bass—No. 6 Fingerlings.....	375	
Large-Mouth Black Bass—No. 7 Fingerlings.....	365	
Large-Mouth Black Bass—No. 8 Fingerlings.....	443	
Large-Mouth Black Bass—No. 10 Fingerlings.....	20	902,963
Bluegills—No. 1 Fingerlings.....	5,000	
Bluegills—No. 2 Fingerlings.....	27,650	
Bluegills—No. 3 Fingerlings.....	8,600	
Bluegills—No. 4 Fingerlings.....	3,675	44,925
Yellow Perch—No. 2 Fingerlings.....	2,400	
Yellow Perch—No. 3 Fingerlings.....	3,200	
Yellow Perch—No. 4 Fingerlings.....	1,000	6,600
Crappie—No. 1 Fingerlings.....	7,000	
Crappie—No. 2 Fingerlings.....	550	
Crappie—No. 3 Fingerlings.....	100	
Crappie—No. 5 Fingerlings.....	50	7,700
Pike-Perch—Fry.....		400,000
Rock Bass—No. 1 Fingerlings.....	1,000	
Rock Bass—No. 2 Fingerlings.....	1,475	2,475
Sunfish—No. 2 Fingerlings.....	300	
Sunfish—No. 3 Fingerlings.....	200	500
Catfish—No. 4 Fingerlings.....	500	
Catfish—No. 6 Fingerlings.....	300	800
Carp—Adult.....		10
Total.....		1,387,673

SUMMARY OF DISTRIBUTION BY SPECIES, 1922

Small-Mouth Black Bass—Advanced Fry.....	8,000	
Small-Mouth Black Bass—No. 1 Fingerlings.....	45,350	
Small-Mouth Black Bass—No. 2 Fingerlings.....	12,393	
Small-Mouth Black Bass—No. 3 Fingerlings.....	8,250	
Small-Mouth Black Bass—No. 4 Fingerlings.....	1,100	
Small-Mouth Black Bass—No. 6 Fingerlings.....	250	75,343
Large-Mouth Black Bass—Advanced Fry.....	869,000	
Large-Mouth Black Bass—No. 1 Fingerlings.....	105,362	
Large-Mouth Black Bass—No. 2 Fingerlings.....	34,710	
Large-Mouth Black Bass—No. 3 Fingerlings.....	26,237	
Large-Mouth Black Bass—No. 4 Fingerlings.....	14,764	
Large-Mouth Black Bass—No. 6 Fingerlings.....	375	
Large-Mouth Black Bass—No. 7 Fingerlings.....	365	
Large-Mouth Black Bass—No. 8 Fingerlings.....	443	
Large-Mouth Black Bass—No. 10 Fingerlings.....	20	1,051,276
Bluegills—No. 1 Fingerlings.....	29,311	
Bluegills—No. 2 Fingerlings.....	28,550	
Bluegills—No. 3 Fingerlings.....	8,600	
Bluegills—No. 4 Fingerlings.....	4,030	70,491
Yellow Perch—Fry.....	1,190,000	
Yellow Perch—No. 1 Fingerlings.....	7,200	
Yellow Perch—No. 2 Fingerlings.....	11,900	
Yellow Perch—No. 3 Fingerlings.....	5,950	
Yellow Perch—No. 4 Fingerlings.....	1,552	1,216,602
Pike-Perch—Eggs.....	1,000,000	
Pike-Perch—Fry.....	400,000	1,400,000
Crappie—No. 1 Fingerlings.....	7,000	
Crappie—No. 2 Fingerlings.....	4,250	
Crappie—No. 3 Fingerlings.....	711	
Crappie—No. 5 Fingerlings.....	54	12,015
Rock Bass—No. 1 Fingerlings.....	1,000	
Rock Bass—No. 2 Fingerlings.....	1,475	2,475
Sunfish—No. 2 Fingerlings.....	300	
Sunfish—No. 3 Fingerlings.....	200	500
Catfish—No. 1 Fingerlings.....	7,699	
Catfish—No. 4 Fingerlings.....	522	
Catfish—No. 6 Fingerlings.....	300	8,521
Carp—Adults.....		10
Total.....		3,837,233

RESCUED FISH, 1922

July 20—From old river beds near Petersburg, Pike county, bass and crappie.	10,000	
Released in White River.		
Sept. 1st to 30th—From bayous along Yellow River and Kankakee river in Starke, Laporte, Porter, Jasper Lake and Newton counties.		
Bluegille—3-in. to 4-in.	34,930	
Crappie—3-in. to 4-in.	4,416	
Large-Mouth Bass—2-in. to 2-lb.	512	
Pike-Perch—1½-lb. to 2-lb.	6	
Pickere!—1½-lbs. to 8-lbs.	20	
Channel Catfish—1-lb. to 3-lb.	5	
Bullhead Catfish—½-lb. to 1-lb.	25	39,914
Released in main streams.		
Sept. 14 to 16—From bayous along the Kankakee river in Lake county.		
Large-Mouth Bass—6-in. to 8-in.	200	
Crappie, Bluegill and Catfish.	5,000	5,200
Released in main stream.		
Sept. 1—From Smith Bayou, near Vallonia, Jackson county.		
Bass—2-in. to 4-in.	100	
Crappie—2-in. to 4-in.	1,200	1,300
Released in White river.		
Sept. 12—From a small stream near Lizton, Hendricks county.		
Bass.	500	
Bluegills.	500	
Rock Bass.	1,000	
Sunfish.	2,000	
Catfish.	100	4,100
Released in Leach Pond.		
Sept. 15—From Bayous along Fall Creek, in Madison county.		
Bluegills.	1,500	
Sunfish.	218	
Catfish.	300	
Suckers.	200	2,218
Released in main stream.		
Sept. 18—From Latta's Creek Pond in Greene county.		
Bass.	2,000	
Crappie.	3,000	
Bluegills.	3,000	
Sunfish.	40,000	
Catfish.	42,000	90,000
Released in Richland Creek.		
Total.		152,732

FISH PROPAGATED AND PLANTED BY THE MARION COUNTY FISH AND GAME PROTECTIVE ASSOCIATION, 1922

Small-Mouth Black Bass—No. 3 Fingerlings.	2,500	
Large-Mouth Black Bass, No. 2 Fingerlings.	6,550	
Large-Mouth Black Bass—No. 3 Fingerlings.	2,500	
Large-Mouth Black Bass—No. 4 Fingerlings.	1,000	10,050
Bluegills—No. 1 Fingerlings.	1,000	
Bluegills—No. 2 Fingerlings.	3,500	
Bluegills—No. 3 Fingerlings.	300	4,800
Sunfish—No. 1 Fingerlings.	1,000	
Sunfish—No. 4 Fingerlings.	2,000	3,000
Catfish—No. 4 Fingerlings.		53,000
Total.		73,350
Received from the U. S. Bureau of Fisheries—		
Small-Mouth Black Bass—No. 1 Fingerlings.	1,500	
Large-Mouth Black Bass—No. 2 Fingerlings.	300	1,800

TABLE OF DISTRIBUTION BY YEARS

YEAR	Back Bass	Bluegills	Yellow Perch	Crappie	Rock Bass	Sunfish	Catfish	Carp	Gold Fish	Pike-Perch	Total
1914.....	230,715	.....	.....	.....	.....	.....	.....	.....	.....	6,450,000	6,680,715
1915.....	263,313	5,000	.....	.....	.....	.....	.....	.....	.....	3,000,000	3,288,313
1916.....	223,261	30,975	12,722	.....	.....	.....	.....	.....	.....	6,100,000	6,366,958
1917.....	235,881	30,500	24,215	3,900	.....	.....	.....	.....	.....	9,000,000	9,294,496
1918.....	250,961	12,000	7,400	.....	.....	.....	.....	.....	.....	.....	270,361
1919.....	187,635	43,000	6,600	1,000	.....	.....	.....	.....	.....	1,225,000	1,469,235
1920.....	619,481	126,850	11,285	8,450	.....	.....	5,200	.....	.....	.....	1,771,266
1921.....	123,564	132,000	651,750	19,550	200	.....	7,000	1,500	28	9,901,325	10,836,587
1922.....	1,126,619	70,491	1,216,602	12,015	2,475	500	8,521	10	.....	1,400,000	3,837,233
Total.....	3,261,370	456,816	1,930,574	44,915	2,675	500	20,721	1,510	28	37,076,325	42,795,434

ANNUAL REPORT OF STATE ORGANIZER

Yearling ending September 30, 1922

STATE ORGANIZATION

Organization of citizens in Indiana to protect the state's natural resources is an effort to increase law-observance by public enlightenment and, through co-operation between the state and the various associations, to create better conditions generally. Up to the end of this year a hundred and forty-three associations have been formed for the protection and propagation of fish, game and birds. This represents many thousands of citizens interested in saving the beneficial wild life instead of destroying it, and these citizens form a bulwark for the moral support of the Indiana laws that pertain to conservation.

Due to the meetings of these clubs, formed in almost every county, no such amount of discussions and debates on related subjects have ever been known before. The work of the Department of Conservation has become the topic of general interest. This has served the very purpose intended, for it has meant a dissemination of knowledge upon these subjects that has been useful. It has created public opinion, made convictions possible against violators of state laws, and thereby helped to save resources instead of destroying them.

The county fish, game and bird protective associations hold meetings each month, make applications for game fish from the state and much of the re-stocking of depleted streams and lakes is looked after by interested members of clubs. All other matters of local concern are delved into, and, when need be, are reported to the state department. Much information in regard to local conditions is gained in this manner and the state department may act accordingly.

To attend all meetings of clubs is impossible for the organizer, but a great deal of time was spent traveling over the territory to be present at meetings and helping clubs in membership drives. Much credit must also be given to Supt. George N. Mannfeld, Division of Fish and Game, to Attorney Walter Shirts, department counsel, and to Gustave J. T. Meyer, president of the Indiana Fish, Game and Forest League, for their visits and speeches before associations in various parts of the state. Trips were never too long for them, or too inconvenient to make, in order to help make a club program more interesting. Mr. Meyer made many trips, at his own expense entirely, for the good of the cause.

That these associations have an influence for good in the local fields may be better understood from the questions that come before them. Among the subjects discussed and acted upon may be summarized the following:

Re-stocking of streams, lakes, ponds, pits and creeks with game fish.
Encouraging better respect for state laws.

Respect for farmer's rights and property, and urging strict adherence thereto.

Clean sportsmanship at all times, between all citizens.

No trespassing without permit on any lands of farmers.

Take less and save more, of fish, game and birds. Smaller bag-limits.

Closed seasons when fish spawn and game breed.

Education in schools upon conservation subjects.

More parks, preserves and recreation facilities for Indiana people.

A cultivation of the out-door, healthful sports and hobbies, that people may be benefited in health and happiness.

An annual meeting of all Indiana clubs is provided for, and culminates in the state convention of the Indiana Fish, Game and Forest League, which is held at Indianapolis in October of each year. To this convention the various clubs are asked to send delegates and alternates. This state league co-operates with the Department of Conservation and the annual meeting affords an opportunity for clubs, through their representatives, to express themselves upon matters of state importance. Legislative questions are of the chief concern, and the initial steps for changes in conservation laws are discussed in the state league. In this manner the general sentiment is made known upon any proposed measure.

The year passed was a successful period in organization work. In addition to the associations already existing, the following new and re-organized clubs were added to the list during the present year:

Benton County Fish and Game Protective Association, Boswell. Organized October 5, 1921. R. C. Whipple, president; Leroy Farr, secretary.

West Baden Fish and Game Protective Association, West Baden. Organized October 21, 1921. H. C. Blocher, president; Lefe Prow, secretary.

Peru Gun Club, Peru. Reorganized October 28, 1921. Frank M. Stutesman, president; A. J. Rhodes, secretary.

Clinton County Fish and Game Protective Association, Frankfort. Organized November 5, 1921. Harvey Clark, president; G. E. Roach, secretary.

Lake George Fish and Game Protective Association, Fremont. Organized November 20, 1921. V. E. Bolyard, Indianapolis, president; David Meek, secretary.

White County Fish and Game Conservation Club, Monticello. Organized January 27, 1922. L. O. Corey, president; George A. Wigmore, secretary.

Jasonville Gun Club, Jasonville. Organized January 12, 1922. Frank Goble, president; George Price, secretary.

Brown Township Fish and Game Protective Association, Wilkinson. Organized February 5, 1922. John H. Cook, president; Wm. H. Allee, secretary.

Johnson County Fish, Game and Bird Protective Association, Franklin. Organized March 12, 1922. Dr. James L. Wolff, president; Mrs. R. J. Pickhardt, secretary.

Muscatatuck Fish and Game Protective Association, Crothersville. Organized March 21, 1922. Bruce Bard, secretary.

Penn Township Fish and Game Protective Association, Osceola. Organized April 12, 1922. J. H. Townsend, president; Forrest Townsend, secretary.

Elkhart Township Fishing Association, Wawaka. Organized April 28, 1922. J. W. Zimmerman, president; Homer Boyd, Ligonier, secretary.

Wayne County Fish and Game Protective Association, Richmond. Reorganized April 17, 1922. Walter J. Doan, president; John Holiday, secretary.

Pluto Fish, Game and Bird Protective Association, French Lick. Reorganized April 7, 1922. O. B. Hancock, president; Felix Roach, secretary.

Knox County Fish, Game and Bird Protective Association, Vincennes. Organized May 12, 1922. Valley Frisz, president; H. C. Miller, secretary.

Montgomery County Conservation League, Crawfordsville. Organized June 6, 1922. R. R. Reynolds, secretary.

Brown County Fish, Game and Bird Protective Association, Nashville. Organized June 15, 1922. Grover C. Brown, secretary.

Uniondale Fish and Game Protective Association, Uniondale. Organized July 2, 1922. W. H. Black, president; Homer Harshman, secretary.

American Sportsmen's Protective League of Dearborn County, Aurora. Organized July 6, 1922. James Schuyler, president; Lee Ruble, secretary.

Akron Fish and Game Protective Association, Akron. Organized July 18, 1922. Horace Larrew, president; J. W. Elwell, secretary.

American Sportsmen's Protective League of Morgan County, Martinsville. Organized July 28, 1922. Thomas Simons, president; Wm. R. McKee, secretary.

North Judson Fish and Game Protective Association, North Judson. Organized July 30, 1922. S. Wilcox, president; M. H. Lake, secretary.

Twin Lakes Fish and Game Protective Association, Twin Lakes. Organized August 12, 1922. Floyd Holem, president; Bert Grube, secretary.

Markle Fish and Game Protective Association, Markle. Organized September 14, 1922. C. A. Kelsey, president; Dr. J. L. Ulrich, secretary.

The following is a complete list of the protective clubs and associations in the state, with the names of their presidents and secretaries:

Adams County Fish, Game and Bird Protective Association, Decatur. Albert Colchin, president; David Hensley, secretary.

Advance Fish and Game Protective Association, Advance. B. O. Emmert, secretary.

Akron Fish and Game Protective Association, Akron. Horace Larrew, president; J. W. Elwell, secretary.

Albany Fish, Game and Bird Protective Association, Albany. N. R. Baker, president; Will S. Teverbaugh, secretary.

American Sportsmen's Protective League of Dearborn County. Aurora. James Schuyler, president; Lee Ruble, secretary.

American Sportsmen's Protective League of Morgan County, Martinsville. Thomas C. Simons, president; William R. McKee, secretary.

Auburn Fish, Game and Bird Protective Association, Auburn. B. W. Biedeer, president; Dr. D. N. Fitch, secretary.

Bartholomew County Hunting and Fishing Club, Columbus. Dr. Cecil Smith, president; Clarence Buxton, secretary.

Bass Lake Business Men's Association, Knox. Frank Hay, president; John B. Herbert, secretary.

Benton County Fish, Game and Bird Protective Association, Boswell. R. C. Whipple, president; Leroy J. Farr, secretary.

Blackford County Fish, Game and Bird Protective Association, Montpelier. M. O. Bebout, president; H. L. Murray, secretary.

Boone County Fish and Game Protective Association, Lebanon. John E. Terwilliger, president; Harry Richey, secretary.

Brown County Fish, Game and Bird Protective Association, Nashville. William L. Coffey, president; Grover B. Brown, secretary.

Brown Township Fish and Game Protective Association, Wilkinson. John H. Cook, president; William H. Allee, secretary.

Calumet Conservation Club, East Chicago. Harry C. Gough, president; Harry Roberts, secretary.

Carroll County Rod and Gun Club, Delphi. Arthur Gros, president; V. K. Whittlesey, secretary.

Cass County Fish and Game Protective Association, Logansport. Isaac Oppenheimer, president; Hiram Hildebrandt, secretary.

Cedar Lake Protective Association, Lowell. Harry Lassen, president; Carl N. Gragg, secretary.

Charlestown Fish and Game Protective Association, Charlestown. Geo. H. D. Gibson, president; James B. James, secretary.

Clark County Fish, Game and Bird Protective Association, Jeffersonville. William Kilgus, president; Henry Burt, secretary.

Clay County Fish, Game and Bird Protective Association, Brazil. Edward Newton, president; Bernard Foulke, secretary.

Clear Lake Cottagers' Association, Ray. R. B. Hanna, president; Mrs. K. T. Ludenberg, secretary.

Clinton County Fish, Game and Bird Protective Association, Frankfort. Harvey Clark, president; G. E. Roach, secretary.

Conservation League of Montgomery County, Crawfordsville. Robt. Caldwell, president; R. R. Reynolds, secretary.

Cottagers' Association of Big Long Lake, John A. McDonald, Kendallville, president; S. A. Enloe, Danville, secretary.

Daviess County Fish, Game and Bird Protective Association, Washington. Chas. Willey, president; C. C. Williams, secretary.

Dearborn County Fish, Game and Bird Protective Association, Lawrenceburg. John Wittmer, president; John R. Shy, secretary.

Decatur County Fish, Game and Bird Protective Association, Greensburg. Dr. H. S. Hopkins, president; L. N. Marlowe, secretary.

Delaware County Fish, Game and Bird Protective Association, Muncie. J. L. Moore, president; O. L. Raymond, secretary.

Dubois County Fish, Game and Bird Protective Association, Jasper. Alphonse Somershire, president; Albert F. Rumbach, secretary.

Eagle Creek Fish and Game Protective Association, Zionsville. Ernest Harvey, president; Geo. W. Robey, secretary.

Edgar Haymond Chapter of Isaac Walton League, Warsaw. M. L. Gochenour, president; E. W. Graham, secretary.

Eel River Fish and Game Protective Association, Denver. James H. Steller, president; Carl Haines, secretary.

Elkhart County Fish, Game and Bird Protective Association, Goshen. Ray Deahl, president; O. J. Landis, secretary.

Evansville Casting Club, Evansville. J. D. Wellman, president; G. A. Beard, secretary.

Fayette County Fish and Game Association, Connersville. Philip Larue, president; D. M. Bottoms, secretary.

Floyd County Fish, Game and Bird Protective Association, New Albany. George Anderson, president; S. F. Zufall, secretary.

Foot's Lake Pleasure Club, Evansville. Harvey C. Weber, president; Charles Jurgens, secretary.

Forest Park Fishing Association, Terre Haute. E. T. Hulman, president; Fred Einicke, secretary.

Fountain County Fish, Game and Bird Protective Association, Covington. Dr. E. J. Martin, president; Harry Small, secretary.

Franklin County Fish, Game and Bird Protective Association, Brookville. F. A. Wright, president; E. C. Smith, secretary.

Franklin Gun Club, Franklin. Dr. O. T. Lagrange, president; Gary Tilson, secretary.

Garrett Fish, Game and Bird Protective Association, Garrett. Carl S. Heinzerling, president; C. W. Glossburn, secretary.

Gary Rod and Gun Club, Gary. Harry Hardenbrook, president.

Gibson County (Johnson Tp.) Fish and Game Association, Haubstadt. W. H. Slotboom, president; Joseph A. Weis, secretary.

Gibson County Fish and Game Association, Princeton. Maj. R. S. Manford, president; T. J. Fox, secretary.

Grant County Fish, Game and Bird Protective Association, Marion. W. A. Brown, president; Ira Shildmeyer, secretary.

Greene County Fish, Game and Bird Protective Association, Bloomfield. Wm. F. Inman, president; John S. Knapp, secretary.

Greentown Fishing Club, Greentown. J. N. DeLong, president; George Ball, secretary.

Hamilton County Fish, Game and Bird Protective Association, Noblesville. C. A. Cooper, president; William Cloe, secretary.

Hamilton Lake Fish, Game and Bird Protective Association, Hamilton. C. B. Dirrum, president; G. L. Gnagy, secretary.

Hancock County Fish and Game Protective Association, Greenfield. Rufus H. Temple, president; Louis C. Heinrich, secretary.

Harrison County Fish, Game and Bird Protective Association, Corydon. Joseph Bender, president; Percy L. Davis, secretary.

Hendricks County Fish, Game and Bird Protective Association. Danville. Judge S. A. Enloe, president; Harry C. Bain, secretary.

Henry County Fish, Game and Bird Protective Association, Newcastle. Walter A. Jones, president; C. V. Wake, secretary.

Hillsboro Fish, Game and Bird Protective Association, Hillsboro. Cora Nine, president; N. M. Clubb, secretary.

Howard County Fish, Game and Bird Protective Association, Kokomo. Jacob F. Bergman, president; W. H. Werbe, secretary.

Huntington County Fish, Game and Bird Protective Association, Huntington. James K. Marks, president; Albert E. Andrews, secretary.

Indianapolis Gun Club, Indianapolis. Harry Stutz, president; C. L. Slinkard, secretary.

Inter-State Fish, Game and Bird Protective Association, Union City. William J. Glunt, president; Charles A. Proctor, secretary.

Jackson County Fish, Game and Forest Protective Association, Seymour. C. L. Kessler, president; T. R. Carter, secretary.

Jasper County Fish and Game Protective Association, Rensselaer. El. W. Eger, president; Charles Pefley, secretary.

Jasonville Gun Club, Jasonville. Frank Goble, president; George Price, secretary.

Jay County Fish and Game Protective Association, Portland. O. C. Foster, president; Ed. P. Bishop, secretary.

Jefferson County Fish, Game and Bird Protective Association, Madison. Richard Johnson, president; S. G. Boyd, secretary.

Jennings County Fish and Game Protective Association, North Vernon. H. W. Miller, president; A. E. Siener, secretary.

Johnson County Fish and Game Protective Association, Franklin. James L. Wolff, president; Mrs. R. J. Pickhardt, secretary.

Keego Angling Club, Indianapolis. A. J. Mannfeld, president; Fred Thiele, secretary.

Knox County Fish, Game and Bird Protective Association, Vincennes. James D. McDowell, president; H. C. Miller, secretary.

Koontz Lake Fish and Game Protective Association, Walkerton. V. W. Hardenbrook, president; A. D. Winner, secretary.

Lagrange County Fish, Game and Bird Protective Association, Lagrange. Harry L. Huss, president; George Moore, secretary.

Lake Bruce Protective Association, Kewanna. Harry Jenkins, president; John Murphy, secretary.

Lake County Fish and Game Protective Association, Hammond. Legrand T. Meyer, president; R. H. Olsen, secretary.

Lake Gage Fish and Game Association, Garrett. Wesley Keen, president; H. M. Van Lear, secretary.

Lake George Fish and Game Protective Association, Fremont. V. E. Bolyard, Indianapolis, president; David Meek, Hicksville, Ohio, secretary.

Lake James Cottagers' Association, Angola. William Freuchtenicht, Fort Wayne, president; A. H. Bunch, secretary.

Lake Manitou Cottagers' Protective Association, Rochester. A. L. Carter, president; William Zimmerman, secretary.

Lake Maxinkuckee Conservation League, Culver. J. P. Walter, president; H. L. Contzen, secretary.

LaPorte County Fish and Game Protective Association, LaPorte. John Schick, president; John Dilworth, secretary.

Lawrence County Fish, Game and Bird Protective Association, Mitchell. John L. Holmes, president; W. M. Munson, secretary.

Long Lake Fishing Club, Albion. C. A. Gatwood, president.

Madison County Fish and Game Protective Association, Anderson. John Longnecker, president; Blythe Johnson, secretary.

Marion County Fish and Game Protective Association, Indianapolis. Byron A. Sunderland, president; W. L. Roeder, secretary.

Markle Fish and Game Protective Association, Markle. C. A. Kelsey, president; Dr. J. L. Ulrich, secretary.

Martin County Fish and Game Protective Association, Loogootee. William Carroll, president; William Larkin, secretary.

Miami County Fish and Game Protective Association, Peru. Frank M. Stutesman, president; Oliver Rhodes, secretary.

Monroe County Fish and Game Protective Association, Bloomington. N. A. Jeffries, president; M. L. Curts, secretary.

Montgomery County Fish, Game and Bird Protective Association, Crawfordsville. F. G. Hasselman, president; J. C. McCormick, secretary.

Newton County Fish, Game and Bird Protective Association, Kentland. Henry Russell, president; Roy Ross, secretary.

Noble County Fish, Game and Bird Protective Association, Albion. Carl Hardenbrook, president; George Russell, secretary.

Northern Indiana Fish, Game and Bird Protective Association, Fort Wayne. Herman Tapp, president; Oscar Griebel, secretary.

North Judson Fish and Game Protective Association, North Judson. S. Wilcox, president; M. H. Lake, secretary.

Ohio County Fish, Game and Bird Protective Association, Rising Sun. W. F. Hannberg, president; E. V. Menefee, secretary.

Orange County Fish, Game and Bird Protective Association, Paoli. B. E. Deremiah, president. A. J. Rhodes, secretary.

Owen County Fish and Game Protective Association, Spencer. James Miller, president; Don Stimpson, secretary.

Parke County Fish, Game and Bird Protective Association, Rockville. I. L. Sanford, president; J. L. Upp, secretary.

Penn Township Fish and Game Protective Association, Osceola. Chester A. Townsend, president; Forrest H. Townsend, secretary.

Perry County Rod and Gun Club, Tell City. U. B. Cummings, president.

Pike County Fish, Game and Bird Protective Association, Petersburg. Otis E. Miller, president; H. E. Willis, secretary.

Plainfield Fish, Game and Bird Protective Association; Plainfield. W. A. Rushton, president; Dr. LaRue Davis, secretary.

Pluto Fish, Game and Bird Protective Association, French Lick. C. B. Hancock, president; Felix Roach, secretary.

Porter County Fish, Game and Bird Protective Association, Valparaiso. Charles F. Green, president; V. L. Philley, secretary.

Posey County Fish, Game and Bird Protective Association, Mt. Vernon. Edwin Page, president; Kelly DeFur, secretary.

Pretty Lake Fish, Game and Bird Protective Association, Plymouth. C. A. Reeve, president; Willie Hahn, secretary.

Pulaski County Fish, Game and Bird Protective Association, Winamac. O. H. Keller, president; E. R. Wilson, secretary.

Putnam County Fish, Game and Bird Protective Association, Greencastle. Harry Hawkins, president; Earl E. Smith, secretary.

Raccoon Creek Fish and Game Protective Association, Ladoga. Charles Gish, president; Howard Hines, secretary.

Randolph County Fish, Game and Bird Protective Association, Winchester. J. M. Fletcher, president; Dr. Blaine Eastman, secretary.

Recreation Gun Club, Evansville. F. P. Fuchs, president; G. A. Beard, secretary.

Ripley County Fish and Game Protective Association, Sunman. Fred Brummer, president; Dr. E. B. Vincent, secretary.

River Bend Fish, Game and Bird Protective Association, Aetna Green. L. W. Powers, president; E. M. Ulmer, secretary.

Rush County Fish, Game and Bird Protective Association, Rushville. George Coons, president; Charles H. Brown, secretary.

Shelby County Fish, Game and Bird Protective Association, Shelbyville. William B. Sleeth, president; Wilbur F. Pell, secretary.

Steuben County Fish, Game and Bird Protective Association, Angola. Dr. J. T. Creel, president; I. W. Pence, secretary.

St. Joseph County Fish, Game and Bird Protective Association, South Bend. Gus Haslanger, president; Frank A. Stover, secretary.

St. Joe Valley Fish, Game and Bird Protective Association, Elkhart. Dr. E. R. Zimmerman, president; Ben I. Bixler, secretary.

Stone City Fish and Game Protective Association, Bedford. Robert Stevens, president; J. L. Quinn, secretary.

Sullivan County Fish, Game and Bird Protective Association, Sullivan. Jesse Bicknell, president; Charles Power, secretary.

Sylvan Lake Improvement Association, Rome City. John B. Franks, president; Arthur H. Perfect, secretary.

Tippecanoe County Fish, Game and Bird Protective Association, Lafayette. J. M. Lewis, president; Fred Dobelbower, secretary.

Tippecanoe Lake Conservation Club, Oswego. A. S. Silvers, president; R. Rowe, secretary.

Tippecanoe River Conservation Society, Marion. J. W. Stephenson, president; W. C. Nicholson, secretary.

Tippecanoe River Fish and Game Association, Tippecanoe. T. F. Ringle, secretary.

Tippecanoe Rod and Gun Club, Monticello. E. B. Sellers, president; B. B. Baker, secretary.

Tipton County Fish, Game and Bird Protective Association, Tipton. George B. Fritz, president; S. R. Standerford, secretary.

Topeka Fish, Game and Bird Protective Association, Topeka. James Gay, president; A. J. Yoder, secretary.

Uniondale Fish and Game Protective Association, Uniondale. William H. Black, president; Homer Harshman, secretary.

Union County Fish, Game and Bird Protective Association, Liberty. E. E. Post, president; Joshua Davis, secretary.

Twin Lakes Fish and Game Protective Association, Plymouth. Floyd A. Holem, president; Bert Grubbs, secretary.

Van Buren Township Fish, Game and Bird Protective Association, Veedersburg. W. H. McCord, president; R. D. Gookins, secretary.

Vigo County Fish, Game and Bird Protective Association, Terre Haute. R. C. Miesner, president; E. T. Hulman, secretary.

Wabash County Fish, Game and Bird Protective Association, Wabash. William C. Basse, president; A. N. McCracken, secretary.

Warren County Fish, Game and Bird Protective Association, Williamsport. Omer Stewart, president; O. M. Bowlus, secretary.

Warren Fish, Game and Bird Protective Association, Warren. P. H. Beck, president; Robert Garrett, secretary.

Warrick County Fish, Game and Bird Protective Association, Boonville. Sylvester T. DeForrest, president.

Washington County Fish, Game and Bird Protective Association, Salem. E. C. Mitchell, president; Charles W. Murphy, secretary.

Wawaka Fish and Game Protective Association, Wawaka. Dr. J. W. Zimmerman, president; Homer Boyd, Ligonier, secretary.

Wawasee Protective Association, Syracuse. Carl J. Stein, Chicago, Illinois, president; George L. Xanders, secretary.

Wayne County Fish and Game Protective Association, Richmond. Walter J. Doan, president; John Holiday, secretary.

Wells County Fish, Game and Bird Protective Association, Bluffton. R. W. Staver, president; Theo. V. Harsh, secretary.

West Baden Fish and Game Protective Association, West Baden. H. C. Blocher, president; Lafe Prow, secretary.

White County Fish and Game Conservation Club, Monticello. L. O. Corey, president; George A. Wigmore, secretary.

Wolcottville Fish, Game and Bird Protective Association, Wolcottville. R. M. Hanson, president; John Miller, secretary.

Muscatatuck Fish and Game Protective Association, Crothersville. Bruce Bard, secretary.

GAME WARDEN SERVICE

The conservation law stipulates that the Game Warden service should be under the personal care of the director, who works in closest co-operation with the superintendent of fisheries and game.

In addition to the data on Game Warden service contained in his statistics on page 576 of this report, the following matter should be submitted.

- I. Chart showing arrests made by force for last five fiscal years.
- II. Record of arrests and convictions for fiscal year.
- III. Table showing cost of operating automobiles.

IV. Tables showing costs of regular warden service for North and South.

V. Compilation of game warden service in U. S.

The foregoing tables plus the information contained in the superintendent's report show conclusively the effectiveness of a police department removed from politics. Men who depend on political "pull" mixed into an organization trained to carry out orders given them from the office will upset the needed discipline as well as the confidence which the majority of the people have in the capability and competency of the force. Sad experience in the past by way of irregularities, waste, friction and incapacity brought about popular demand for the present law. Its conscientious enforcement has produced the above gratifying results.

For plain results in every way and by comparison with those of the other states, as shown on Table V, the State of Indiana is in the lead all along the line.

The year had 339.5 service months which amounts to 28.3 full time wardens.

Out of a grand total of 1,767 arrests and 1,666 convictions the regular force made 1,656 arrests and 1,560 convictions or 94.2 per cent.

The average per warden is therefore 58.5 arrests and 55.1 convictions.

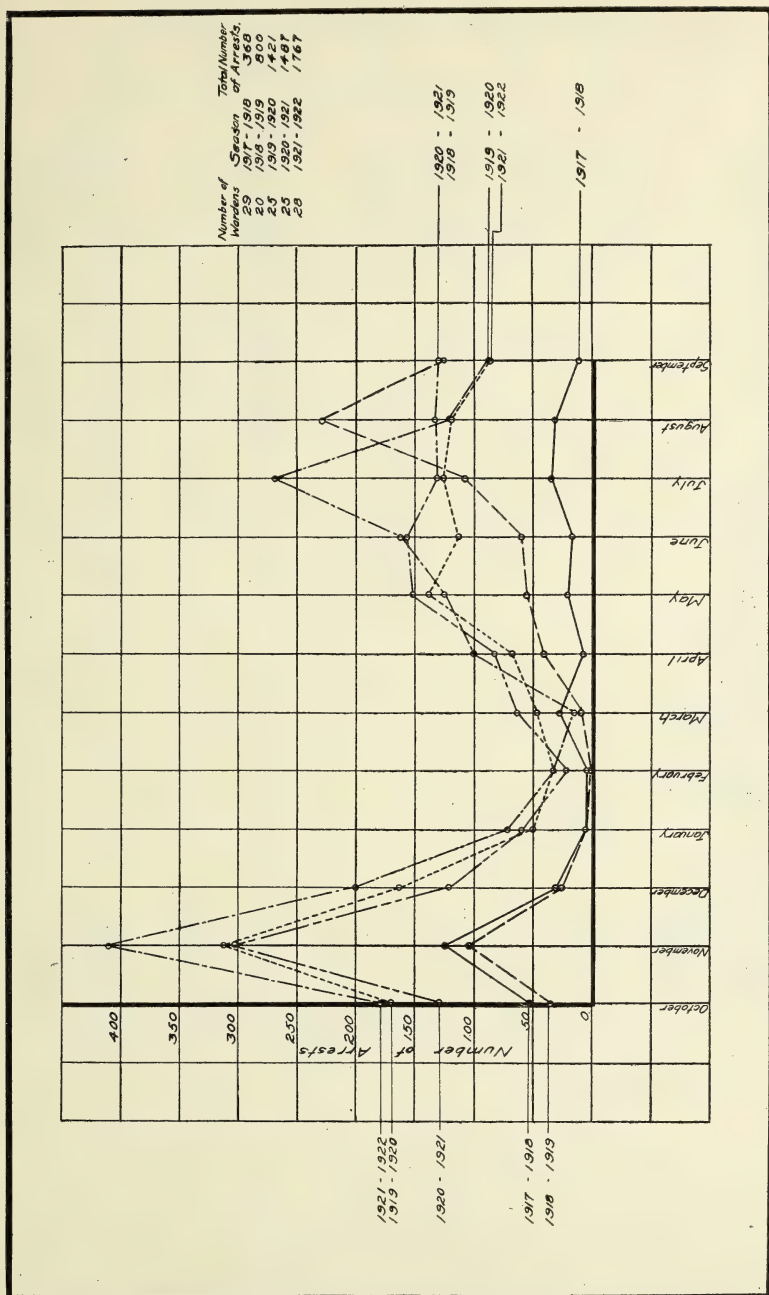


Chart Showing Arrests Made by Game Warden for Four Fiscal Years.
This Service was Placed Under the Control of the Department
of Conservation in April, 1919.

RECORD OF ARRESTS AND CONVICTIONS FOR FISCAL YEAR

WARDEN	Service Mo. Da.	Arrests	Standing	Convictions	Standing
Wyatt.....	12	118.13	1	110.05	1
Miles.....	12	88.83	2	80.33	2
Randall.....	12	73.33	3	68.33	4
Bravy.....	12	72.83	4	70.67	3
Gallion.....	7 15	71.47	5	67.88	5
Rohrabaugh.....	12	67.49	6	62.49	9
Gilpin.....	12	67.03	7	63.66	7
Barber.....	12	65.50	8	58.00	10
Lapham.....	12	65.33	9	63.50	8
Walker.....	12	65.28	10	65.28	6
Chamberlin.....	12	61.24	11	56.24	11
Butler.....	10	56.87	12	55.37	12
Neal.....	12	56.08	13	51.08	14
Holstine.....	12	53.67	14	49.45	16
E. Click.....	11 16	53.35	15	51.77	13
Beloat.....	12	51.03	16	50.37	15
Crecelius.....	12	51.00	17	47.12	18
Foulke.....	11 4	49.83	18	49.33	17
Dixon.....	12	46.87	19	43.78	19
Hardy.....	12	43.67	20	41.67	20
Havel.....	12	39.78	21	36.95	22
Davis.....	6	39.67	22	38.67	21
Corbin.....	5	32.78	23	32.12	23
Everson.....	6	30.67	24	29.00	24
Shanabarger.....	6 20	29.81	25	27.81	25
Baldwin.....	8	28.17	26	26.83	26
Garrabrant.....	2 13	27.22	27	24.85	27
Wilfong.....	6	26.62	28	24.53	28
Fleming.....	12	21.18	29	20.52	29
Hoemig.....	7	21.17	30	20.50	30
Lawhead.....	27	19.58	31	17.58	32
Lavery (Hatchery).....		19.00	32	19.00	31
Stansell.....	5	16.00	33	16.00	33
Vanderford.....	7 15	15.63	34	15.38	34
Pence.....	3 21	15.33	35	15.33	35
Griggs (non-salaried).....		12.50	36	12.50	36
Hall (non-salaried).....		11.50	37	11.50	37
Amos (Hatchery).....		8.98	38	8.98	38
Ehlers.....	12	8.87	39	3.37	41
Biltz (Hatchery).....		8.06	40	8.06	39
Hawkins (Non-salaried).....		5.00	41	5.00	40
J. Click (Hatchery).....		4.00	42	3.00	42
Diggs (Official).....		3.53	43	.53	51
Wells.....	4	2.92	44	2.92	43
Flynn.....	1 8	2.67	45	2.67	44
Hay (Hatchery).....		1.50	46	1.50	45
Shirts (Official).....		1.33	47	.33	52
Timm.....	3 15	1.00	48	1.00	46
Berg (Official).....		1.00	49	1.00	47
Parrish (Non-salaried).....		1.00	50	1.00	48
Brown (Hatchery).....		1.00	51	1.00	49
Cole.....	23	1.00	52	1.00	50
Mannfeld (Official).....		.70	53	.20	53
Bauman.....	15	.00	54	.00	54
Mount.....	18	.00	55	.00	55
Other officers.....		29.00	.....	29.00	.....
		1,767.00		1,666.00	

MOTOR VEHICLES EXPENSE

NAME	Service No.	Storage	Supplies	Repairs	Tires	Equipment	Mileage
NORTH							
R. D. Fleming.....	34	\$8 50	\$111 98	\$59 68	\$6 00	\$3 75	6,323
Al. D. Barber.....	43	9 25	33 25	116 80	29 00		2,020
A. Gallion.....	22	31 30	159 93	206 86	56 50		8,447
Geo. Wyatt.....	22-38	2 00	204 09	19 77	101 50	5 58	13,125
J. Havel.....	23-37	23 00	328 34	130 00	83 55		14,912
J. Randall.....	24-39	20 20	390 16	123 91	111 95	3 75	24,596
H. Walker.....	25-42	39 50	449 84	371 17	129 49		26,530
J. J. Bravy.....	21-41	151 10	272 78	70 66	64 05		14,799
Total.....		\$284 85	\$1,950 37	\$1,098 85	\$582 04	13 35	110,752
SOUTH							
T. Butler.....	15-40	\$142 50	\$305 92	\$80 22	\$111 73		17,886
C. Dixon.....	18-35	106 60	268 54	120 34	101 53	\$12 59	16,208
F. Ehlers.....	13-29-44	88 65	184 07	47 22	130 59		12,292
C. Gilpin.....	12	93 13	216 17	31 61	56 00		8,520
R. Davis.....	12-33	20 42	70 98		25 00		10,206
W. Garrabrant.....	12	28 10	80 34	90 61	73 00	12 84	3,983
R. Rohrabough.....	13-32	125 22	377 03	151 87	104 35	13 34	24,901
Total.....		\$604 62	\$1,503 05	\$521 87	\$602 20	\$38 77	93,996
North Total.....		\$284 85	\$1,950 37	\$1,098 85	\$582 04	\$13 35	110,752
South Total.....		604 62	1,503 05	521 87	602 20	38 77	93,996
Grand Total.....		\$889 47	\$3,453 42	\$1,620 72	\$1,184 24	\$52 12	204,748
		0 44	1 69	0 79	0 57	0 02	1c

Total Expense.....	\$9,247 45
Miles traveled.....	204,748
Cost per mile.....	\$0.0451

11 Department Cars—Fish and Game Division.

	Total	Cost Per Mile
Storage.....	\$889 47	0.44
Supplies.....	3,453 42	1.69
Repairs.....	1,620 72	0.79
Tires.....	1,184 24	0.57
Equipment.....	52 12	0.02
Depreciation.....	2,047 48	1.00
	\$9,247 45	4.51

(Note on Table III)

The department keeps careful account of the expense of operating state-owned machines. Each car has a service number and either sealed hub-odometers or dashboard odometers. Weekly reports are made on gasoline, oil and repair expense. Receipts for same have to be attached and mileage run per week is reported on separate card. A record of tires and inner tubes is kept at the office. The serial number of each is recorded with its exact location as to wheel and service car and replacements are made only by exchange of worn out materials.

The following data are on the annual average of eleven department cars. In comparison with cost of \$9,392.28 for ten cars the previous year, eleven cars this year cost \$9,247.45 to operate, or a difference of \$144.83. Included in this cost is the item of depreciation which was very closely ascertained by the sale of nine old cars. The cost of operation per mile last year was 5.83 cents as compared with 4.51 cents this year. The reduction in cost is explained by the lesser expense of tires and cars.

GAME WARDEN SERVICE, 1921-1922

NORTH

WARDEN'S NAME	Months of Service Mo. Day		Arrests	Con- victions	Salary	Expense	Sub- total	Auto Service	Per Conviction	
									Sub-total Cost	Actual Cost
R. D. Fleming.....	12		21 18	20 52	\$2,100 00	\$291 35	\$2,391 35	\$249 36	\$117 55	\$123 52
Geo. W. Wyatt.....	12		118 13	110 05	1,500 00	702 66	2,202 66	340 89	19 95	25 92
Chas. C. Miles.....	12		88 83	80 33	1,500 00	232 17	1,732 17	176 84	21 45	27 43
J. H. Randall.....	12		73 33	68 33	1,500 00	335 16	1,835 16	655 87	27 84	33 81
J. J. Bravy.....	12		72 83	70 67	1,500 00	527 35	2,027 35	586 16	28 70	34 67
A. D. Barber.....	12		65 50	58 00	1,500 00	287 16	1,787 16	641 02	30 82	36 79
F. G. Lapham.....	12		65 33	63 50	1,500 00	716 28	2,216 28	2 37	34 88	40 85
Harry Walker.....	12		65 28	65 28	1,500 00	552 88	2,052 88	991 40	31 46	37 55
E. Click.....	12		53 35	51 77	1,439 52	195 55	1,635 07	115 59	31 58	37 55
Chance Hardy.....	12		43 67	41 67	1,500 00	692 99	2,192 99	.....	52 55	58 52
Jacob Havel.....	12		39 78	36 95	1,500 00	330 57	1,830 57	573 37	50 20	56 17
Wm. H. Everson.....	6		30 67	29 00	675 00	362 71	1,037 71	.....	35 72	41 69
Lewis J. Baldwin.....	8		28 17	26 83	850 00	360 33	1,210 33	23 04	45 45	51 42
Irwin Pence.....	3	21	15 33	15 33	370 00	159 47	529 47	51 53	34 50	40 47
E. H. Cole.....	23		1	1	76 65	21 49	98 14	.....	98 14	104 11
Total.....	.....	.....	782 38	739 23	\$17,511 17	\$5,818 10	\$24,829 29	\$4,405 44	.....	.....

NOTE.—Subtotal cost per conviction is arrived at by dividing the number of convictions of each warden into the salary plus expenses not including automobile service.

Actual cost per conviction is arrived at by adding to the subtotal cost the result of dividing total automobile cost by total number of convictions. This is done to pro-rate automobile costs with upkeep of the car although he is hauling several others.

GAME WARDEN SERVICE, 1921-1922

SOUTH

WARDEN'S NAME	Months of Service Mo. Day	Arrests	Convic- tions	Salary	Expense	Sub- total	Auto Service	Per Conviction	
								Subtotal Cost	Actual Cost
F. M. Ehlers.....	12	8.87	3.37	\$1,800 00	\$294 17	\$2,094 17	\$473 44	\$693 50	\$689 36
Roy Rohrabough.....	12	67 49	62 49	1,500 00	679 81	2,179 81	804 43	34 95	39 81
Cecil Gilpin.....	12	67 03	63 66	1,500 00	726 63	2,226 63	398 16	35 00	39 86
J. D. Chamberlin.....	12	61 24	56 24	1,500 00	676 83	2,176 83	29 65	37 90	42 76
T. F. Butler*.....	10	56 87	55 37	1,250 00	382 59	1,632 59	685 36	29 60	34 46
Oliver Neal.....	12	56 08	51 08	1,325 00	616 38	1,941 38	.....	36 85	41 71
A. E. Holstine.....	12	53 67	49 45	1,325 00	704 74	2,029 74	.....	41 38	46 24
T. H. Belest.....	12	51 03	50 37	1,500 00	635 94	2,135 94	.....	42 95	47 81
P. C. Creelins.....	12	51 00	47 12	1,500 00	708 56	2,208 56	7 38	44 37	49 23
Bernard A. Foulke.....	11	49 83	49 33	1,162 90	496 08	1,658 98	92 01	33 60	38 46
C. E. Dixon.....	12	46 87	43 78	1,500 00	621 08	2,121 08	636 48	48 22	53 08
Robt. H. Davis.....	6	39 67	38 67	600 00	401 37	1,001 37	116 40	27 20	32 06
Jas. M. Corbin.....	5	32 78	32 12	500 00	377 31	877 31	.....	27 32	32 18
Arvy Wilfong.....	6	26 62	24 53	600 00	445 20	1,045 20	.....	42 90	47 76
O. L. Flynn.....	1	2 67	2 67	124 75	85 40	210 15	.....	79 15	84 01
J. F. Bauman.....	15	0	0	50 00	22 63	72 63	.....	.....	.....
John Mount.....	18	0	0	60 00	.....	60 00	10 41	.....	.....
Total.....	.....	671 65	630 27	\$1,779 65	\$7,874 62	\$25,672 37	\$3,253 72	.....	.....

*Deceased.

Note—Subtotal cost per conviction is arrived at by dividing the number of convictions of each warden into the salary plus expenses not including automobile service.

Actual cost per conviction is arrived at by adding to the subtotal cost the result of dividing total automobile cost by total number of convictions. This is done to pro-rate automobile costs with upkeep of the car although he is hauling several others.

RECORD OF ARRESTS IN COUNTIES—1919 TO 1922.

COUNTY	1919-20	1920-21	1921-22
Adams.....	3	3	8
Allen.....	31	57	33
Bartholomew.....	6	5	41
Benton.....	13	1	10
Blackford.....	7	6	.....
Boone.....	14	4	15
Brown.....	1	10	2
Carroll.....	21	15	23
Cass.....	11	30	21
Clark.....	8	2	22
Clay.....	3	17	38
Clinton.....	7	28	4
Crawford.....	.....	.....	3
Daviess.....	10	25	30
Dearborn.....	10	2	32
Decatur.....	10	6	8
Dekalb.....	8	9	6
Delaware.....	13	10	20
Dubois.....	19	25	6
Elkhart.....	7	5	22
Fayette.....	12	4	13
Floyd.....	34	12	6
Fountain.....	21	1	30
Franklin.....	10	21	28
Fulton.....	11	27	46
Gibson.....	26	19	16
Grant.....	11	16	16
Greene.....	18	22	40
Hamilton.....	14	10	6
Hancock.....	8	9	10
Harrison.....	7	1	.....
Hendricks.....	15	10	20
Henry.....	9	15	3
Howard.....	4	11	11
Huntington.....	14	11	3
Jackson.....	6	3	19
Jasper.....	11	7	16
Jay.....	6	3	15
Jefferson.....	8	7	3
Jennings.....	12	1	7
Johnson.....	10	4	15
Knox.....	18	23	25
Kosciusko.....	44	69	44
LaGrange.....	12	35	9
Lake.....	163	149	102
Laporte.....	42	21	23
Lawrence.....	12	17	17
Madison.....	14	10	7
Marion.....	50	80	81
Marshall.....	61	62	41
Martin.....	.....	2	2
Miami.....	.....	6	13
Monroe.....	15	2	5
Montgomery.....	11	15	17
Morgan.....	7	28	11
Newton.....	2	11	12
Noble.....	27	14	28
Ohio.....	.....	.....	2
Orange.....	8	22	11
Owen.....	4	10	8

COUNTY	1919-20	1920-21	1921-22
Parke.....	28	27	52
Perry.....	7		2
Pike.....	2	18	13
Porter.....	11	11	13
Posey.....	3	13	2
Pulaski.....	4	9	21
Putnam.....	4	24	17
Randolph.....	18	10	9
Ripley.....	5	4	20
Rush.....	2	15	24
St. Joseph.....	39	42	71
Scott.....			
Shelby.....	12	10	12
Spencer.....	1	4	18
Starke.....	12	16	34
Steuben.....	40	45	30
Sullivan.....	24	7	13
Switzerland.....			4
Tippecanoe.....	81	55	52
Tipton.....	1		10
Union.....			
Vanderburgh.....	16	4	3
Vermillion.....	42	3	55
Vigo.....	30	16	42
Wabash.....	1	27	34
Warren.....	6	3	12
Warrick.....	1	9	11
Washington.....	2		15
Wayne.....	6	7	4
Wells.....	4	2	4
White.....	29	10	17
Whitley.....	31	46	28
Total.....	1,421	1,487	1,767

DIVISION OF ENGINEERING 1921-1922

ORGANIZATION

W. K. HATT, State Engineer.
M. J. STINCHFIELD, JR., Asst. State Engineer.
J. C. DIGGS, Sanitary Engineer.
D. L. WARREN, Field Engineer.
DENZIL DOGGETT, Hydraulic Engineer.

FIELD CORPS FOR 1922

J. D. WHICKER, Chief of Party.
D. L. CRABTREE, Instrumentman.
H. A. HAAS, Rodman.
F. G. TYKLE, Rodman.

The work of the division for the past year has been along lines quite similar to the work of the preceding period. While the majority of the accomplishments of the division have been in connection with state park development, matters of drainage, flood protection and similar rec-

lamation problems have been increasing in their demands on the division.

The various projects to which attention has been devoted during 1921-22 may be classified under the following groups:

- I. State park work.
 1. Surveys.
 2. Design and construction.
- II. Drainage and reclamation projects.
 1. Collection and dissemination of data and statistics.
 2. Legislative recommendations.
 3. Special investigations of drainage or reclamation projects.
 4. Advisory consultation.
- III. Lakes.
 1. Lake levels.
 2. Meander line surveys.
- IV. Special surveys.
- V. Stream pollution.

STATE PARK WORK

Surveys—The topographic mapping of our state parks was continued from last year until Jan. 1, 1922. On this date field work at Turkey Run and Clifty Falls Park had been completed and the survey of McCormick's Creek Canyon was within two weeks of completion. A second field corps was organized in June, 1922, and the survey of Muscatatuck Park completed.

The maps of Muscatatuck Park and Clifty Falls Park have been completed and the McCormick's Creek map completed for that portion which has been surveyed. The actual mapping of these parks has progressed very slowly, due to the demands upon the division from other sources. It is contemplated that maps of all four parks will be available by Jan. 1, 1923.

Boundary line surveys have been made at all state parks and at Clifty Falls and Muscatatuck Parks permanent markers have been established.

Design and Construction—The majority of the division's time has been devoted to projects under this heading. A list of projects which have been considered or constructed under supervision of the division follows:

1. Timber Trestle over Newby Gulch—Turkey Run Park.
2. Road through new tract—Turkey Run Park.
3. Water supply system—Turkey Run Park.
4. Sewage disposal—Turkey Run Park.
5. Thomas Hill Road—Clifty Falls Park.
6. Clifty Falls Road No. 1—Clifty Falls Park.
7. Clifty Falls Road No. 2—Clifty Falls Park.
8. Timber Trestles on Clifty Road No. 2—Clifty Falls Park.

State Engineer, W. K. Hatt, Professor of Civil Engineering, Purdue University, has been absent on leave during the past year in the service of the National Research Council, directing a program of research in highway engineering and highway transport. Through occasional visits he has been in communication with the work of the office.

The timber trestle across Newby Gulch in Turkey Run Park was a holdover job from the preceding year. The trestle was designed by this division and constructed under its supervision at a cost of \$3,025.97. The structure is 150 feet in length and 45 feet high.

The road through the recently acquired tract at Turkey Run was constructed immediately after the completion of the Newby Gulch trestle. This 16-foot gravel drive, together with the trestle, opens up some 180 acres of park which were heretofore inaccessible to the motorist.

Plans for a new water supply system at Turkey Run were made by the division early in 1922. After a thorough investigation of future requirements and the available sources of supply, it was decided to utilize water from Turkey Run creek as a supply for all purposes except drinking water and to continue the use of the existing plant and wells for the latter. The plan finally approved included an 8-foot dam across Turkey Run creek, forming a reservoir of approximately 1,000,000 gallons capacity, a brick pump house, housing a gasoline-driven pump of 75 gallons per minute capacity, 600 feet of 4-inch cast iron pipe line, and a 6,000-gallon pressure tank installed in the basement of the new hotel. Construction work was started the first of April, 1922, and the plant placed in operation early in June, 1922. Severe rains in April seriously hampered the work on the dam and pump house.

Plans for the sewage disposal system at Turkey Run were made simultaneously with the design of the water system and construction was carried along with the water supply construction. The sewage system included the installation of a new septic tank supplementing the old one, the relaying of the line to the old hotel and the laying of new lines to the new hotel and to the outfall at Sugar Creek.

The division was called upon several times to consider the feasibility and practicability of constructing an automobile road from the Hanover Road up Thomas Hill to the hotel site in Clifty Falls Park. Several routes were surveyed and estimates prepared, but the proposal was abandoned because of excessive cost. The two termini of this road are approximately one-fourth mile apart on a direct line and have a difference in elevation of 370 feet. The location of a road having safe grades and curves for motorists is impossible without an expenditure unwarranted at this time.

Early in 1922 surveys and plans were completed for Clifty Falls Road No. 1, a road running northerly along the east brow of Clifty Hollow for a distance of 2.5 miles, and providing a temporary entrance to the park directly west from North Madison. The road on completion will also serve as a permanent boundary line between Clifty Falls Park and the Southeastern Hospital for the Insane. The plans provide for an 18-foot waterbound macadam roadway together with several structures for cross drainage. Bids for furnishing material for this job were received early in March, 1922, and construction was started on April 1, 1922, under the supervision of the Division of Engineering. All work has been done by the Department of Conservation, including the quarrying and crushing of the stone and the erection of concrete structures. This road is costing approximately \$11,600 per mile, exclusive of structures.

The above road furnishes only a temporary outlet from the park and necessitates trespass over lands of the Southeastern Hospital for the

Insane. To alleviate this condition and provide a permanent entrance on park lands, surveys have been made and plans are under preparation for the continuation of Road No. 1 north 1.55 miles to the north end of Clifty Falls Park, under the name of Clifty Falls Road No. 2.

The route selected for Road No. 2 makes necessary the construction of large structures across Dean's Hollow and Little Clifty Creek. It seems advisable to build timber trestles at these points, the former being approximately 275 feet in length with a maximum height of 77 feet, while the latter will be 125 feet long and 30 feet in maximum height. Plans for these trestles are being made.

Besides the foregoing projects the division constantly meets with demands for information as to the location and length of park boundaries, the suitability of water in parks for drinking purposes, the exact location of points of interest in the parks, and other minor details.

DRAINAGE AND RECLAMATION PROJECTS

The Division of Engineering is empowered by statute:

- (a) To investigate, compile and disseminate information and make recommendations relative to drainage and reclamation.
- (b) To make such surveys, reconnaissance, maps, charts, statistical tables, etc., as it deems necessary to enable persons interested in drainage and reclamation to proceed more intelligently with their work.
- (c) To recommend and secure the enforcement of laws for drainage and reclamation of swamps, overflowed and non-arable lands.
- (d) To determine and define natural drainage areas and to place at the disposal of public officials such information as will enable them to plan their work for the ultimate accomplishment of an integrated drainage system for an entire watershed.
- (e) To prepare computations as to the flow likely to occur in any natural or artificial channel, or to be impounded by any levee or dike, together with probable capacities of outlets and strength of levees. Such information to be placed at the disposal of public officials and others authorized in the location and design of reclamation work.
- (f) To collect such data and information as it deems necessary in regard to any particular drainage project prior to or during construction.
- (g) To accompany drainage or levee commissioners on personal inspection of lands and advise as to location and size of drains or levees.
- (h) To sit in an advisory capacity during hearing of reports.
- (i) To co-operate with the superintendent of construction during construction on all matters on which advice is sought.

COLLECTION AND DISSEMINATION OF DATA AND STATISTICS

Sections a, b, d and e may be grouped under the general heading of "Collection and Dissemination of Data and Statistics." While the division is constantly striving to collect all data relating to drainage, flood protection, etc., both of a technical and non-technical nature, this as a matter of routine work, it has also during the past year inaugurated three distinct programs for the collection of technical and economic data, namely:

A Drainage Survey of Indiana.

A Stream Gaging Program, and

An Investigation of the effect of Drainage upon Ground Water Levels in the Kankakee Valley.

Drainage Survey—The Drainage Survey has for its purpose the location of all areas in the state which have been included in drainage or reclamation enterprises, the location of all areas in the state in need of drainage, or protection from overflow, the average benefits derived from drainage, the cost of open and tile drains and levees in the state, and the difficulties met with in obtaining satisfactory drainage or protection. It is not at this time contemplated to publish the results of the survey as a whole, but to gather this information and compile it in such a manner as to enable the division to render more valuable assistance on reclamation problems.

The survey was inaugurated by sending a form letter to County Drainage Commissioners and County Surveyors all over the state, with the request that certain information be returned on an enclosed questionnaire. The information sought by this questionnaire, included names, location, and area of drainage enterprises, names of drainage engineers, attorneys, and contractors, and requested comment on present drainage laws. This latter feature will be mentioned in detail later.

Replies were received from sixty of the ninety-two counties of the state. It was found that drainage is of so little importance in nineteen counties in the southern half of the state that the office of county drainage commissioner is not filled.

Following up the information obtained by means of the foregoing questionnaire, a representative of the division is sent to each county and from county records he compiles the exact location of the various enterprises and transfers them to a map of the county. Information as to costs, land values, lengths and sizes of ditches, and other detailed data for each particular project is also obtained. By interrogation of drainage engineers, commissioners and attorneys he obtains information as to the manner in which drains are serving their purpose and the location of areas which are in need of further drainage or protection from overflow.

Stream Gaging Program.—In designing drainage, flood protection works, or water power projects, the amount of water which the works must pass is one of the most important considerations. There are in Indiana today very few water courses for which the probable flow at various stages can be more than roughly estimated. To make available for engineers engaged in the design of drainage and flood protection works the flow records of various streams, the division has outlined a stream gaging program and is now engaged in the establishment of gaging stations at several points.

The present program contemplates the immediate establishment of ten stations as follows:

1. Little Calumet River at Gary.
- *2. Kankakee River at Davis.
- *3. Kankakee River at Shelby.
- *4. Wabash River at Logansport.
- *5. Wabash River at Lafayette.
- *6. Wabash River at Terre Haute.
- *7. West Fork of White River at Noblesville.

8. West Fork of White River at Washington.
- *9. East Fork of White River at Shoals.
10. East Fork of White River at Seymour.

The stations marked * are those at which gages have been maintained periodically by the U. S. Geological Survey or other agencies. These will be re-established or taken over by the division and their records continued.

In addition to the above regular stations, measurements on several smaller streams and ditches will be made in order to arrive, if possible, at some definite runoff factor for small areas in the various parts of the state.

The division proposes to enlarge upon the number of stations from year to year, probably at the rate of ten new stations per year. The following stations are in mind for future establishment:

- Wabash River at Huntington.
- Wabash River at Wabash.
- Wabash River at Peru.
- Wabash River at Covington.
- West Fork White River at Anderson.
- West Fork White River at Spencer.
- East Fork White River at Columbus.
- *Whitewater River at Brookville.
- Patoka River at Patoka.
- Patoka River at Jasper.
- St. Joseph River at Mishawaka.
- Mississinewa River at Peru.
- Mississinewa River at Marion.
- Salamonie River at Portland.
- *Maumee River at Fort Wayne.
- Wild Cat Creek at Kokomo.
- Blue River at Edinburg.
- Tippecanoe River at Monticello.
- *Upper Eel River at Logansport.

Investigation of the Effect of Drainage in the Kankakee Valley.—Of late many statements have been made that drainage has been overdone in Indiana, and particularly have the statements been applied to the extensive enterprises of the Kankakee Valley. The claims most often made are that the ground water has been lowered to such an extent that crops have failed because of this recession; that lake levels have been lowered to the detriment of fish life; and that water supplies have been seriously affected.

In line with the question of the effect of the Kankakee drainage in lowering ground water levels, the Division of Engineering is carrying on an investigation to determine the elevation of the ground water and whether such recession has been detrimental to the growing of crops.

Seven lines of shallow wells, cased with perforated galvanized conductor pipe, have been installed at approximately equal distances from

* Indicates station maintained periodically by various agencies.

South Bend to the Illinois state line. The lines are approximately at right angles to the Kankakee River and extend entirely across the low valley, and in some instances into the higher bordering land. There are in all 165 wells, ranging in depth from five to twelve feet below ground surface.

During the growing season the elevation of the water in these wells will be determined twice during each month over a period of several years, at the same time noting the elevation of the water in the ditches and the condition of soil and crops. These elevations will be plotted on profiles of the ground surface along each line of wells.

As a result of this investigation it may be determined what the results of drainage in the Kankakee region have been, that is, whether overdone, or whether still further drainage is advisable. It will also make available very valuable data for engineers in the design of projects not only for the Kankakee lands, but in similar lands in other parts of the state.

LEGISLATIVE RECOMMENDATIONS

Section (c), as stated above, authorizes the Division of Engineering to recommend and secure the enforcement of laws relating to drainage and reclamation. Under this section, the division is co-operating with the Commission for the Codification of Indiana Drainage Laws in an effort to correct the deplorable state in which they are found. It is hoped that the next Legislature may be prevailed upon to adopt a new law embodying the best of the present laws now in force, and supplementing these with some of the more modern features from laws of other states which have been successful in promoting good drainage.

This division has devoted some time to a study of the modern drainage laws of various states and in interrogating our own citizens as to needed legislation. As mentioned in discussing the State Drainage Survey, comment regarding our drainage laws was requested from every drainage commissioner in the state. Of the sixty replies received twenty-six favored a repeal or revision of the present laws, six made no comment, nine thought the present laws satisfactory, while in nineteen counties the matter of drainage was not important. Of the forty-one counties in which drainage is an important question it is apparent that our present laws are unsatisfactory to 63½% of the counties, satisfactory to 21 9/10%, while 14 6/10% made no comment.

SPECIAL INVESTIGATIONS OF DRAINAGE OR RECLAMATION PROJECTS

In pursuance with section (f), as above, several projects have received special attention from the Division of Engineering.

Chief among these have been investigations of:

- A. Plans of Peru Flood Protection Commission.
- B. Report of Improvement of Lower Eel River in Clay County.
- C. Investigation of Development of Tippecanoe River at Norway by Indiana Hydro-Electric Co. as Affecting Drainage of White County.

Reports on the latter project have been rendered as to the feasibility of the power project, itself, and as to its effect on the present drainage

system of White County. The latter matter is again under consideration as to the effect of the dam upon future drainage requirements.

Advisory Consultation.—Under sections (g, h and i) as empowered by statute, the division has acted in an advisory capacity on several projects in various parts of the state. Requests for information as to procedure to be followed are constantly received. In several cases reports have been approved by the division on the request of engineers, drainage commissioners or attorneys.

LAKES

Lake Levels.—The maintenance of lake levels is entrusted to the Department of Conservation and as service work for other divisions, the Division of Engineering has investigated several cases where drainage projects threatened to lower the level of a lake. Notable among these have been the Bordner Drain in DeKalb and Steuben counties, affecting Storey Lake; the Elder Ditch in Whitley and Kosciusko counties, affecting Cedar, Robinson and Barbee Lakes; and the Miser Ditch in Steuben and Lagrange counties affecting Big and Little Turkey Lakes and several smaller lakes.

Meander Line Surveys.—In connection with a question as to state title to lands lying within the government meander line of a lake, two lakes in Northern Indiana were surveyed at the request of the Division of Lands and Waters. At Bass Lake, in Starke County, the entire meander line, several miles in length, was surveyed, while at Cedar Lake, in Lake County, a portion of the meander line was relocated.

SPECIAL SURVEYS

The division meets with frequent request for special surveys for other departments of the State Government and so far as possible attempts to carry out such requests. The principal surveys of this character made during the past year consisted of a survey of several lines for the Southeastern Hospital for the Insane, at Madison, and a topographical survey of the building site of the new reformatory at Pendleton.

STREAM POLLUTION

Scope of Investigations.—The work of the Sanitary Engineer during the year, ending September 30, 1922, falls naturally in two general divisions:

First, that of collection of data in reference to the extent of the pollution of Indiana streams by wastes, including both sanitary sewages and wastes from industrial plants, and a study of the effect of such wastes upon the streams of the state, and

Second, the investigation of specific complaints of stream pollution with the establishment of necessary evidence for legal action where the situation is sufficiently severe to appear to justify prosecution.

Sanitary Sewage.—Data relating to the sewerage systems of cities and towns of the state have been collected. The information received relates to the general layout of the sewerage, the size of sewer lines

and outfalls and the contributing population. These facts were compiled for the principal watersheds of the state and calculations made as to the ratio between the total population of cities and towns having sanitary sewerage and the total area of the watershed on which the communities are located. This, in general, gives figures showing density of population in communities served by sanitary sewers. In a section of the country the size of Indiana where rainfall is practically uniform and topographic and geologic conditions similar, the stream flow of different drainage districts will bear a rather definite relation to their areas. These facts permit a comparison of the quantity of the water of different streams with reference to the pollution by sanitary sewage. The drainage areas of the principal water courses and their tributaries are shown with this "Index of Pollution" applied. These factors are calculated on the basis that the entire population is connected with the public sewer system, an assumption which is rarely realized, but one, it is believed, which will permit a fairly true comparison of existent conditions.

A POLLUTION INDEX OF INDIANA STREAMS

DRAINAGE DISTRICT	Area in Sq. Miles	Urban Population	Density Per Sq. Mile of Urban Pop.
Wabash River at Mouth.....	23,829	868,223	36
Wabash River at Vincennes.....	11,295	292,199	26
Wabash River at Terre Haute.....	10,316	226,116	20
Wabash River at Logansport.....	2,804	87,537	31
Wabash River at Wabash.....	1,518	28,846	19
Patoka River at Mouth.....	818	2,539	3.1
White River at Mouth.....	11,046	556,275	55
West Fork White River at Mouth.....	5,140	480,350	93
West Fork White River at Martinsville.....			
West Fork White River at Broad Ripple.....	1,244	97,197	78
West Fork White River at Muncie.....	246	4,021	16
East Fork White River at Mouth.....	5,714	73,558	13
East Fork White River at Columbus.....	1,739	30,110	17
Tippecanoe River at Mouth.....	2,002	12,315	6.1
Eel River at Mouth.....	833	4,701	5.6
Mississinewa River at Mouth.....	892	36,409	41
Salamonia River at Mouth.....	510	9,455	18
Maumee River at State Line.....	1,262	104,965	83
St. Mary River at Ft. Wayne.....	339	6,062	18
St. Joseph River at Ft. Wayne.....	655	12,363	19
Calumet Area.....	464	143,101	308
Kankakee River at State Line.....	2,114	26,014	12

These figures show a wide divergence in the condition of the streams of the state with reference to sanitary sewage and provide a useful index when coupled with occasional analyses or surveys of the physical condition of the water courses. Unquestionably varying degrees of natural purification take place in the streams, depending upon temperature of water and air, turbidity of the water, exposure to light and air, velocity of stream, and time of flow, but these call for detailed investigation not possible at the present time.

INDUSTRIAL WASTES

While the load of waste received by the streams from the sewerage systems of cities and towns may be great, the drainage from the in-

dustrial plants is vastly greater and in many instances has a more disastrous effect upon the water courses.

Indiana, as a manufacturing state, has drawn principally upon the products of the farm. Thus have the canning factories, the strawboard and paper industries, beet sugar, starch and its allied syrup industries, meat packing and dairy industries been built up, each utilizing constituents from raw products, which yield greater profit, and discarding the less profitable ones.

Probably of all the industries of the state yielding wastes to be discharged into the streams the vegetable packing plants are the most numerous. More than 200 such establishments operate during the harvest season each year. Each such plant discharges from one-half gallon to two gallons of liquid waste; containing appreciable quantities of dissolved vegetable extracts for each can of products turned out. Vegetable packing plants of moderate size produce from 50,000 to 60,000 cans per day, while a number of the larger establishments turn out a quarter of a million cans daily. In view of the fact that the wastes of this industry are easily fermentable, frequently exhausting the available oxygen contained in several volumes of surface water, serious interference with natural stream life is evident.

Data available at this time makes possible a partial classification of the waste producing industries of Indiana as follows:

(1) *The Canning Industry*—This includes factories producing tomatoes and tomato products, corn, green beans, peas, beets, spinach, baked beans, pumpkin, hominy and sauer kraut. The wastes vary greatly both in volume and strength for each product packed. There are approximately 200 canning factories in Indiana.

(2) *The Artificial Gas Industry*—This includes the so-called "coal gas," "water gas" and coke manufacturing plants. The first two produce many intermediate products, including tars, ammonia and oils, which if not separated from waste water are discharged into streams with the result that the banks and bed of the water course are befouled and the water rendered poisonous to fish and unfit for use as a public supply. Indiana has fifty artificial gas plants.

(3) *The Dairy Industry*—This industry includes plants engaged in the handling of milk and its products after it leaves the farm. It includes milk stations, creameries, cheese factories, milk skimming plants and condensories. The sewages include large volumes of water which have been used in cleaning and rinsing milk cans and plant equipment. There are probably 300 such establishments in the state.

(4) *Meat Packing Establishments and Rendering Plants*—The wastes produced by meat packing plants, slaughter houses, fertilizer establishments utilizing the carcasses of animals are included within this division. The wastes usually include no solid products, but consist of waters used about the plant, holding considerable quantities of meat extracts in solution. There are in Indiana ten or fifteen large meat packing establishments, about ninety animal rendering plants and probably 200 small slaughter houses.

(5) *Straw Board and Paper Plants*—The paper industry in this state is that using as its principal product the straw of oats and wheat,

also paper stock and rags. From 1.3 to 1.6 tons of the raw straw are required to manufacture one ton of board or paper, the remainder, consisting of fibers too small to be used, are carried into the nearby stream. This tremendous load of organic matter with high oxygen demand requirements for its oxidation in many instances materially reduces the oxygen supply of the stream. There are in Indiana approximately fifty paper mills, each producing 15 to 100 tons of products daily.

(6) *Beet Sugar and Starch Industries*—Beet sugar manufacture includes the extraction of sugar from sliced sugar beets and purification of and refining the product. The wastes include vegetable extracts and products used in the purification of the syrups. Large volumes of water are used in the industry and the wastes, unless treated, produce a very serious contamination of streams.

The starch industry utilizes corn and by various refining processes produces corn starch or glucose syrup. The liquid wastes are high in organic content and usually produce a serious nuisance in streams. There are in Indiana about half a dozen starch producing plants and one beet sugar manufacturing establishment.

(7) *The Oil Industry*—The wastes produced by oil or petroleum wells, oil refineries and oils washed from public highways have similar effects upon the streams. Such wastes resist change by the elements and when discharged into a stream continue in the water course until they have collected on drift or are washed upon the shore. In so far as the processes for cleaning a stream of oils is very slow and uncertain, it becomes necessary to exclude such wastes as far as possible.

(8) *Metal Working Industry and Mine Waters*—The iron plating industries produce an acid waste containing considerable quantities of dissolved iron salts. Acid waters are extremely toxic to fish and other biologic life and exert a harmful effect upon streams. Mine water from coal fields is very similar in character, due to the oxidized sulphur compound accompanying the mineral deposits. Fortunately, by-products may be recovered from these wastes when the concentration of iron salts is sufficient.

(9) *Distilleries*—The distillery industry produces residues from fermentation processes which contain a high organic content. These residues consist of the non-fermentable material contained in the "mash," and in the case of corn and molasses fermentation are of such a character that the oxygen demand units are so high that a nuisance is usually produced when the wastes are discharged into a water course. Evaporation for recovery of the water free residues results not only in the elimination of this waste, but provides a liberal profit to the distiller as well.

(10) *The Leather Industry*—The process of tanning includes the cleansing, dehairing and preparation of hides for tanning liquors. Wastes of these processes contain quantities of lime and hide extracts which, with the chemicals and other products used in tanning, produce a refuse which quickly ferments in streams. Treatment processes which produce precipitation of the coarser suspended matter and an oxidation of the dissolved organic material render this waste innocuous. Tanneries in

Indiana are fortunately located on the large streams and have not been found to be a serious source of nuisance.

(11) *Chemical Industries*—Chemical industries, such as soap plants, dye works, creosoting and similar plants, produce wastes of variable character. Many of them are extremely toxic and require individual treatment to render them innocuous to stream life. In general, even the treated wastes require considerable dilution by stream waters to prevent the production of a nuisance.

EFFECT OF WASTES UPON STREAMS

Wastes discharged into water courses may be classified, (1) with reference to their effect upon the biologic life of the stream, (2) with reference to use of water for industrial purposes, and (3) with reference to the use of the stream as a source of drinking water supply. In considering the wastes under the first classification it seems fitting that they should be grouped in three classes—(a) innocuous wastes, (b) prohibited wastes and (c) wastes requiring treatment.

Innocuous wastes are those which produce no apparently harmful effect on the life of the stream. In making studies to determine wastes which may fall in this class, attention should be given to establish the effect upon the lower forms of plant and animal life which serve as fish food or bear some indirect relation to the development of high aquatic life. Prohibited wastes are those which are highly toxic and which cannot be discharged into streams without serious interference with stream life. Wastes requiring treatment are principally those high in organic matter or other constituents which may be settled, or screened out, or may be rendered harmless by some treatment process. The majority of vegetable packing plant drainage, sanitary sewage and similar wastes fall in this class and require treatment to reduce the oxygen demand factor.

Sanitary sewage is the principal waste which may bear any relation to public health and, in fact, this is only an indirect relation. Usually gross pollution of a stream requires more extensive water purification plant operation. If adequate purification is not provided a real health menace may be produced.

A stream may be rendered unfit for use as a public supply on account of chemical waste which renders it objectionable to taste, or if too highly mineralized it may be unsuitable for use in certain industries demanding an unusually pure water. Fortunately, not many wastes of this character exist in Indiana. Gas plant wastes and some oil refinery wastes do, however, produce objectionable tastes in supplies used in water purification plants, especially in the cases where the water is chlorinated as a part of the purification process.

The problems of stream pollution and its effect on fish life have been studied extensively by the Division of Natural History Survey, of the State of Illinois, since the year 1877. Data collected during this period has covered widely varying conditions—those of a relatively pure stream such as existed prior to the completion of the Chicago Drainage Canal in 1900 and of the subsequent period when, as a result of the discharge of a large proportion of the sewage of the city of Chicago,

the stream became an open septic sewer. Scientific studies covering this period included careful investigations relative to the changes in chemical composition of the waters, the decrease or increase of the micro-organisms in the water course and finally the almost complete depletion of fish life in the more grossly polluted sections of the river.

Organic wastes which make up the greater proportion of the drainage from canning factories, tanneries, paper mills and starch industries when discharged into a stream as a result of the fermentation brought about by micro-organisms immediately result in a very material reduction or almost complete exhaustion of the oxygen content of the stream. Fish are dependent upon the oxygen content of the water for their life and if a sufficient quantity does not exist they are suffocated. The percentage saturation of waters with oxygen necessary for supporting fish life varies greatly for different species. Studies carried on at many points, however, show that if the oxygen content is reduced below 60% saturation, the environment becomes exceedingly unfavorable, and if reduced to 30% saturation, few fish forms will exist. Other factors also enter into the conditions favorable or unfavorable for existence of fish life. Organic materials in the absence of sufficient oxygen during fermentation result in septic action with the production of carbon monoxide, hydrogen sulphide and carbon dioxide. These compounds are gases frequently formed in the bottoms of large pools below points in a stream into which organic wastes are discharged. These gases are dissolved in the water and produce in the case of carbon monoxide and hydrogen sulphide solutions which are highly toxic to fish life. Carbon dioxide is normally present in all material surface water and does not become toxic unless the water contains abnormal quantities. Fish are frequently killed considerable distance below the point of discharge of the waste where the solid material settles out in the quieter pools more favorable for rapid fermentation.

Many of the smaller aquatic organisms, both plant and animal, are far more sensitive to stream conditions than fish. The more minute, free floating organisms are known as plankton. In a report on "Studies on the Biology of the Upper Illinois River," by S. A. Forbes and R. E. Richardson, we find: "The economic importance of the plankton is largely in the predominance of minute animals and plants in the food of the young of our most important fishes—a predominance which may be expressed, without serious exaggeration in the aphorism: no plankton, no fish. Furthermore, the adults of many useful species, the crappies and sunfish, for example, often cram their stomachs with plankton organisms when they are especially abundant." Statements made in reference to the plankton refer also to the higher water forms which feed on plankton and, in turn, form a large part of the food supply of fish. R. E. Richardson, in studies relative to "Changes in the Bottom and Shore Fauna of the Middle Illinois River and its Connecting Lakes, 1913-15," found that through the excessive pollution the total reduction in the weight of fish foods of the higher orders along the river between Chillicothe and Havana was for a five-year period 25,500,000 pounds. "The extent of the loss is better appreciated when it is known that it is usual to figure that the weight of fish living on animal food can be

increased about one pound for each five pounds of such food eaten. From this viewpoint the loss in potential fish yield apparently stands at something like 5,000,000 pounds yearly for the section, if also it is true, as is generally assumed, that stocks of the kind in question in the run of years at least reproduce themselves in weight annually." These figures surely show the importance of maintaining the waters of the state in a condition suitable for production of fish life.

Fish eggs are very sensitive to fungus growths. Conditions favorable to fungus growths, therefore, exert a very detrimental indirect influence upon the fish life of a stream. It has been shown that decaying organic matter in water when in contact with fish eggs often results in their complete destruction. A notable instance is that of the killing of fish eggs below lumber mills which discharge sawdust into streams, and paper mills which drain off small particles of wood or straw. These materials cover the egg nests and furnish a favorable anchorage for fungus growths.

Toxic materials, such as acid, alkalies, metallic salts, poisonous gases, creosotes and similar materials, exert an immediate and fatal effect on fish and aquatic life of all forms. The absolute exclusion of wastes of this character must be demanded unless the stream receiving the waste is ample to afford adequate dilution.

Other types of wastes, dilute gas plant drainage and oil refining wastes, frequently when in dilution too great to actually kill fish, will, however, impart such a very decided taste to the flesh of fish that it will be rendered inedible. Economy demands that proper regulation be exercised to see that such conditions shall not be permitted to exist.

FIELD WORK

The field work carried on by the Sanitary Engineer included the inspection and study of streams and lake conditions at forty-five different points and investigations covered the collection of information in reference to the waste discharged by a total of 56 cities, towns or industrial establishments. In some instances the investigation of the condition produced by the discharge of the waste from a single plant included the study of a stream throughout a course of fifteen or twenty miles and required three or four separate visits. Frequently observations were made under quite varying stream conditions.

In carrying on those investigations the first object was to determine the actual nature of the various characters of the polluting substances and to ascertain their effect when discharged into the stream. This required an investigation of the industry and some study of plant processes used in the establishment producing the waste and an approximation of the volume of wastes. Observations of stream conditions above, as well as below, the point of discharge were made, particular attention being given to effect upon plant growths, stream beds and banks as well as animal life in the stream. Inspections were carried on far enough down the course of the stream to determine rapidity with which recovery was brought about by the natural agencies operating for self-purification of the wastes.

In instances where actual destruction of fish was in evidence, tests were made for the purpose of determining direct evidence as to whether the stream had been rendered uninhabitable by fish by actually placing fish seined from clean water into the contaminated area. In many instances fish so planted were killed within a four or five minute interval. Assistance was rendered the Sanitary Engineer by the personnel of the Game Warden Service and other employes of the Fish and Game Division, not only in the work of making actual fish tests, but in the matter of providing transportation as well. Wherever the case appeared to justify legal action by the department against an offender, evidence was obtained from persons residing near the stream or others acquainted with stream conditions, that their testimony might be used in the courts.

Unfortunately, the department does not have available a chemical and biologic laboratory which would be a decided help, not only in making analyses of sewage waste, but in determining the effect of such wastes on the stream content as well. Such a laboratory will become almost a necessity if the department plans to make an intensive study of the stream conditions of the state. The relation of trade wastes to fish life, as well as the plant life, upon which fish are directly or indirectly dependent for their food, is such an intricate one that mere physical inspection fails to disclose the actual conditions existing. Likewise, the aid of a laboratory in assisting the owners of waste producing establishments in working out satisfactory treatment processes appears to be a necessity.

The magnitude of the work of investigating stream conditions, with reference to pollution, particularly during the summer season, when the streams are low and large numbers of waste-producing establishments are in operation, appears to justify the employment of a small field corps organized specifically for stream pollution work.

A tabulation showing the names of streams, points investigated and firms alleged to have been responsible for pollution is as follows:

TABULATION OF ALLEGED STREAM POLLUTION INVESTIGATIONS FOR 1922.

Stream	Town	Company or Corporation	Action
Mississinewa R.	Union City	J. A. Long Co.	Investigation made for information only.
Yellow River	Plymouth	N. I. Gas and Electric Co.	Complaint unfounded.
Young's Creek	Franklin	Interstate Co.	Conditions satisfactory.
		City of Franklin	More efficient operation of sewage treatment plant recommended.
Cicero Creek	Tipton	Fame Canning Co.	Conference with Mayor Re: Sewage Treatment.
		City of Tipton	Partial treatment of waste provided.
Sugar Creek	Winchester	Citizens Light and Power Co.	Septic tank treatment provided.
Salomenia R.	Portland	George Earhart Co.	Waste Treatment Installation agreed on.
Round Lake	Laketon	Indiana Pipe Line Co.	Waste treatment adequate.
Cedar Creek	Waterloo	Town of Waterloo	Sewage treatment ordered by Department.
Big Run	Butler	City of Butler	Treatment plant giving satisfactory service.
St. Mary's R.	Decatur	Holland-St. Louis Sugar Co.	No pollution evident.
Wabash River	Logansport	Pennsylvania R. R.	Waste treatment agreed upon.
Tanners Creek	Lawrenceburg	The Greendale Co.	Waste treatment agreed upon.
		The Rossville Co.	

Stream	Town	Company or Corporation	Action
Cool Creek	Westfield	G. VanCamp Co	Partial treatment installed.
Blue River	Newcastle	Maxwell Motor Co.	Oil waste stopped. Partial treatment installed.
Prairie Creek.....	Thorntown	S. B. Pure Serum Co.	Prosecution filed.
Duck Creek.....	Elwood	Van Camp Packing Co.	Prosecution filed.
		Frazier Packing Co.	Prosecution filed.
		Fettig Canning Co.	Prosecution filed.
		Amer. Sheet & Tin Plate Co.	Company installed additional treatment units.
White River ...	Anderson	Vulcanite Roofing Co.	No action.
		City of Anderson	No action.
Wild Cat Creek.	Kokomo	City of Kokomo	No action.
		Amer. Steel & Wire Co.	No action.
Blue River	Edinburg	Edinburg Starch & Refining Co.	No action.
Turkey Creek ..	Windfall	Regal Packing Co.	Prosecution filed.
Eagle Creek	Zionsville	Pitman-Moore Co.	Treatment Plant renewed.
Lake Manitou ..	Rochester	City of Rochester	No pollution found.
Lake Maxinkuckee	Culver	Palmer Hotel	No pollution found.
Silver Creek	New Albany	Moser Leather Co.	No pollution found.
Sugar Creek	Crawfordsville..	N. I. Gas & Electric Co.	Additional treatment installed.
State Ditch	So. Bend	Lippman Fertilizer Co.	Changes in waste treatment agreed.
Tippecanoe R. ...	Monticello	Thread Mills Co.	Disposal of waste agreed.
Moots Creek	Brookston	Roby Fertilizer Co.	Installed septic tank.
Little Blue R. ...	Shelbyville	Fame Canning Co.	Prosecution filed.
Fall Creek	Indianapolis ..	Citizens Gas Co.	Prosecution filed.
Cicero Creek	Noblesville	Wilson Bros.	Installed cesspool.
Big Lick Creek ..	Brownsburg	Piercetown Canning Co.	Prosecution filed.
Raccoon Creek ..	Ladoga	Ladoga Canning Co.	Prosecution filed.
Hurricane Creek	Franklin	Hoagland Packing Co.	Prosecution filed.
Mississinewa R. .	Eaton	United Paper Board Co.	Prosecution filed.
	Hartford City ..	Ft. Wayne Corrugated Paper Co.	Prosecution filed.
Deeds Creek	Piercetown	Reid-Murdock Co.	Prosecution filed.
Buck Creek	Acton	Acton Tomato Products Co.	Prosecution filed.
Wild Cat Creek ..	Sharpville	Sharpville Packing Co.	Prosecution filed.
Pipe Creek	Frankton	Frankton Ideal Canning Co.	No action taken.
		Hoosier Canning Co.	No action taken.
Stony Creek	Lapel	Lapel Canning Co.	Prosecution filed.
Whisky Run	Marengo	Tomato Products Co.	Prosecution filed.
Wabash River	Terre Haute	City of Terre Haute	No action taken.
		Terre Haute Paper Co.	No action taken.
Wabash River	Bluffton	City of Bluffton	No action taken.
Turkey Creek	Windfall	Regal Packing Co.	Prosecution filed.
Muscatatuck R. ...	No. Vernon	T. A. Snider Preserve Co.	Prosecution filed.

THE DEPARTMENT OF CONSERVATION

Statement of Receipts and Disbursements for the year ending September 30, 1922

DIVISION FISH AND GAME—PROTECTION AND PROPAGATION FUND.

RECEIPTS

Balance on hand October 1, 1921.....	\$64,854 32
Licenses—	
Resident hunting and fishing.....	128,829 40
Non-resident hunting	1,741 00
Non-resident fishing	9,169 20
Lake Michigan	280 00
Fees from fines	7,865 00
Certificates of inspection.....	500 00
Ferret permits	180 00
Scientific permits	22 00
Sale old tires	30 94
Sale old motor boat	125 00
Sale confiscated furs	198 00
Damages—Furs	10 00
Damages—Auto	11 52
“Conscience Money”	2 00

\$213,818 38

Brought forward \$213,818 38

DIVISION FISH AND GAME—REVOLVING FUND.

RECEIPTS

Balance on hand	\$1,608 21	
Sale 290 Evermann Reports.....	673 45	
Sale Calf	16 80	
Sale Cow	30 00	
Sale coops and drinking fountains.....	31 50	2,359 96

DIVISION LANDS AND WATERS—REVOLVING FUND

RECEIPTS

Balance on hand	\$23,335 26	
Turkey Run Park—		
Gate receipts	5,809 00	
Auto storage and ground rent.....	625 45	
Concession	4,084 85	
McCormick Creek—Gate receipts	273 60	
Clifty Falls Creek—Concessions	62 50	
Parke County Historical Society—Donation.....	40 00	
Miscellaneous	16 20	
Governor's Emergency and Contingent Fund.....	6,287 06	40,533 92

DIVISION OF FORESTRY—REVOLVING FUND

RECEIPTS

Balance on hand	2,095 61	
Sale 275 copies "Trees of Indiana".....	343 75	
Concessions—Forest Reserve	109 86	
Refund—Insurance	15 00	2,564 22

DIVISION OF GEOLOGY—REVOLVING FUND

RECEIPTS

Balance on hand	\$438 24	
Sale publications	156 54	594 78

DIVISION OF GEOLOGY—GAS WELL FEES

RECEIPTS

Balance on hand	\$1,159 50	
Fees collected	2,430 00	3,589 50

DIVISION OF ENTOMOLOGY—LICENSE FUND

RECEIPTS

Balance on hand	\$316 17	
Licenses	626 00	942 17
Miscellaneous receipts		86 70
Appropriation—General		95,000 00
Appropriation—Division Engineering	\$15,000 00	
Indiana Reformatory—Expense survey engineering.....	72 65	15,072 65
		<u>\$374,562 28</u>

DISBURSEMENTS

General Administration—

Salaries	\$13,987 23
Per Diem Commissioners.....	1,005 00
Traveling	182 05
Communication	125 00
Supplies—Office	72 87
Insurance—Bonds	100 00
Equipment—Office	75 25

\$15,547 40

Note—Pro rata share of the above chargeable to the following divisions—

Division of Geology—

Salaries	\$5,191 00
Special Payments—Analyses	348 00
Repairs—Motor vehicle	180 13
Traveling expense	1,255 09
Transportation	6 13
Communication	214 82
Printing and publication	228 29
Supplies—	
Office	167 35
Motor vehicle	128 44
Miscellaneous	39 52
Equipment—	
Office	44 63
Household	44 84
Motor vehicle (1)	440 00

8,288 24

Division of Geology—Gas Well Fees—

Fees to inspectors.....	\$1,800 00
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Division of Entomology—

Salaries	\$15,270 53
Wages	58 50
Repairs—	
General	5 25
Motor vehicle	111 13
Traveling expenses	5,618 46
Transportation	15 51
Communication	351 77
Printing and publication	587 28
Supplies—	
Office	241 30
Laboratory	61 01
Educational	70 42
Motor vehicle	169 94
Equipment—	
Office	37 47
Laboratory	24 14
Motor vehicle (1)	254 10
Educational	215 70

23,092 51

Carried forward	<hr/> \$48,728 15
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Brought forward \$48,728 15

Division of Forestry—

Salaries	5,500 00
Wages—Labor and exhibits	1,244 81
Special Payments—Field Investigator.....	86 02
Repairs—General—Forest reserve	323 62
Light, Heat and Water—Forest reserve.....	22 10
Traveling expenses	838 20
Transportation	31 19
Communication	335 31
Printing and publication	308 61
Supplies—	
Forage and veterinary	140 86
Fuel	16 34
Office	108 08
Laboratory	9 17
Educational	58 58
Agricultural	586 80
Miscellaneous	7 29
Insurance—Forest reserve	64 00
Equipment—	
Office	15 14
Household	61 45
Educational	6 00
Fire extinguisher and ladder.....	17 15
Land	164 90
Structure	3,079 41

13,025 03

Division of Land and Waters—

Salaries	1,100 00
Wages—Park foreman, police and gate keeper.....	2,208 67
Repairs—General	150 33
Repairs—Motor Vehicle	36 15
Traveling expenses	850 51
Transportation	144 39
Communication	257 41
Printing and publication	684 14
Supplies—	
Office	80 44
Educational	120 67
Motor vehicle	22 68
Miscellaneous	13 18
Insurance	830 69
Equipment—	
Office	24 81
Household	3,517 75
Fire extinguisher	101 00
Lawn mowers, ladders and badges.....	118 55
Road machinery—Clifty Falls	4,865 34
Non-structural Improvements—	
Clifty Falls	33,900 57
Turkey Run	9,226 36
McCormick Creek	134 25
Structures—	
Clifty Falls	2,042 66
Turkey Run	19,805 47
McCormick Creek	230 24
Vinegar Mills	1,432 31

81,898 57

Carried forward \$143,651 75

Brought forward	\$143,651 75
Division of Fish and Game—	
Administration	
Salaries	\$9,300 00
Wages	15 00
Special Payments—	
Legal services	667 05
Research work	75 00
Exhibits	55 50
Mapping and sounding lakes.....	611 01
Sub-total	\$10,723 56
Protection—	
Salaries—	
Game Wardens (average 32).....	44,918 32
State organizer	1,500 00
Wages—	
Special investigator	933 88
Labor	30 50
Repairs—Motor vehicles	3,446 82
Traveling expenses	18,431 31
Transportation	20 92
Communication	818 33
Printing and publication	1,466 80
Miscellaneous	46 88
Supplies—	
Forage	6 53
Fuel	385 90
Motor vehicles	4,365 75
Rent—Fort Wayne office.....	520 00
Insurance—Autos	42 50
Equipment—	
Office	297 19
Motor vehicles (12)	3,039 00
Educational	1,716 13
Revolvers, hand cuffs and badges.....	288 32
Sub-total	\$82,275 08
Propagation—	
Salaries—	
Superintendent hatcheries	\$2,325 00
Foreman Bass Lake	1,200 00
Foreman Riverside	1,500 00
Helpers, Riverside	2,600 00
Foreman Tri-Lakes	1,140 00
Foreman Wawasee	1,200 00
Helper, Wawasee	1,020 00
Supervisor game station.....	100 00
Wages—	
Labor—Bass Lake	573 75
Labor—Riverside	167 35
Labor—Tri-Lakes	721 45
Labor—Wawasee	278 00
Labor—Game Station	45 00
Repairs—	
General	226 00
Motor vehicle	1,023 16
Light, heat, power, water.....	344 16
Traveling expenses	1,774 59

Brought forward		\$143,651 75
Transportation	13 65	
Communication	308 97	
Printing and publication	628 63	
Supplies—		
Forage	8 83	
Office	60 00	
Laundry, cleaning and disinfecting	18 38	
Agricultural	4 25	
Motor vehicle	861 93	
Wearing apparel	13 00	
Netting, twine, etc.....	234 49	
Insurance	110 20	
Contribution—Planting of fish	100 00	
Equipment—		
Office	100 00	
Laboratory	162 00	
Motor vehicles (2)	1,693 75	
Educational	2,262 84	
Fire extinguisher	10 00	
Lawn mower, tanks, dippers, ladders, etc.....	186 85	
Non-structural improvements	300 06	
Structures	13,748 63	
Sub-total	\$37,064 92	
Total		\$130,063 56

Division of Engineering—

Salaries	9,259 40
Wages—Field assistants	480 80
Repairs—	
Instruments	1 00
Motor vehicles	189 37
Traveling expenses	2,888 64
Transportation	41 08
Communication	61 58
Supplies—	
Office	261 42
Motor Vehicles	207 43
Field	195 04
Equipment—	
Office	186 28
Motor vehicle	693 49
Field	606 39

Total \$15,071 92

Miscellaneous receipts to State General Fund..... 86 70

Balances on hand—

Fish and Game Prot. and Prop. Fund.....	83,389 59*
Fish and Game Revolving Fund.....	49
Lands and Waters Revolving Fund.....	4 50
Geology Revolving Fund	367 75
Forestry Revolving Fund	74 26
Entomology—License	61 53
Gas Well Fees	1,789 50
Unused Appropriation—Engineering	73

\$374,562 28

PUBLICATIONS OF THE DEPARTMENT

1. Trees of Indiana—exhausted.
2. Laws of Indiana relative to Natural Resources.
3. A Digest of the Laws.
- 3a. Digest—1920 edition.
4. The why and wherefore of Conservation in Indiana.
5. Turkey Run State Park—25c.
6. Indiana Kaolin—35c.
7. Lake Maxinkuckee—A Physical and Biological Survey by Everman and Clark,
in two volumes. \$2.00 to residents, \$3.50 to non-residents.
8. Oil and Gas Report—50c to residents, \$1.00 to non-residents.
9. Fish Culture.
10. Proceedings of Tri-State Forestry Conferences.
11. One Hundred Years of Natural Resources—out of print.
12. Forest Reserve Guide—out of print.
13. Trees of Indiana—\$1.25 in cloth.
14. First Annual Report—April 1 to September 30, 1919.
15. Second Annual Report—October 1 to September 30, 1920.
16. Survey of Natural Resources—limited edition.
17. Breeding of Skunk.
18. Fish and Game Laws—A Digest—1921.
19. Assessment of Forest Lands.
20. Points of Interest in Indiana—by Chas. G. Sauers.
21. Handbook of Geology.
22. U. S. Game Warden Statistics.
23. Chinch Bug.
24. Game Warden Manual.
25. Auto Camp Sites.
26. Third Annual Report.
27. Points of Interest, revised—by Chas. G. Sauers.
28. Indiana Woodlands and their management.
29. Food Fishes of Lake Winona.

MISCELLANEOUS

- Railway and Hotel Guides to State Parks—exhausted.
- Auto Roads, Hotel Rates, Railway Schedules to State Parks and Reservations—eight
pages—exhausted.
- Your Part in a United Effort to Protect the Fish, Game and Birds of Indiana—
exhausted—six pages—Chas. Biederwolf.
- Post Cards (Turkey Run)—twelve subjects.
- Post Cards (McCormick's Creek Canyon)—twelve subjects.
- Logs of Motor Routes.

REPORT OF PUBLIC SERVICE COMMISSION

Part One

MEMBERS

JOHN W. McCARDLE, Chairman.
GLENN VAN AUKEN, Commissioner.
MAURICE DOUGLASS, Commissioner.
EDGAR M. BLESSING, Commissioner.
OSCAR RATTIS, Commissioner.
L. CHESTER LOUGHRY, Secretary.

HEADS OF DEPARTMENTS

EARL L. CARTER, Chief Engineer.
HARRY BOGGS, Chief Accountant.
A. B. CRONK, Chief of Tariff Department.
D. E. MATTHEWS, Chief Railroad Inspector.
FRANK B. FARIS, Examiner and Librarian.
CARL WILDE, Director of Service.
O. P. GOTHLIN, Manager, Interstate Rate Department.

LIST OF EMPLOYES

ENGINEERS

Karl W. Behr	D. W. Hufferd
S. T. Beeker	A. O. Admire
Wm. F. Habeney	D. C. Pyke
W. F. Lebo	C. B. Feasey
H. W. Abbett	H. A. Johaningsmeier
Fred R. Witherspoon	Hubert Hutchinson

ACCOUNTANTS

W. P. Bidgood	Lloyd O'Connell
Laurence Carter	L. D. Bledsoe
E. C. Abell	Malcolm Lucas
E. J. Kastner	W. J. Stoutenburg
E. W. Macgregor	Wm. P. Hornberger

INSPECTORS

J. Q. Martin	Wm. V. Griffer	Ray V. Gibbens
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SERVICE DEPARTMENT

E. C. Murley

TARIFF DEPARTMENT

H. S. McNeely

George R. Bryant

STENOGRAPHERS, REPORTERS AND TYPISTS

Martha Kaplan

Doris Wilson

Julia Wells

Veva Pitsenberger

Ruth Bills

Lois Brengle

Vera Healey

Pauline Wilson

Bess Beal

Frances Lang

Anna Glaska

Mary Boles

Nellie Waskom

Helen Fussner

Lucile Butz

Bertha Walker

ORIGIN

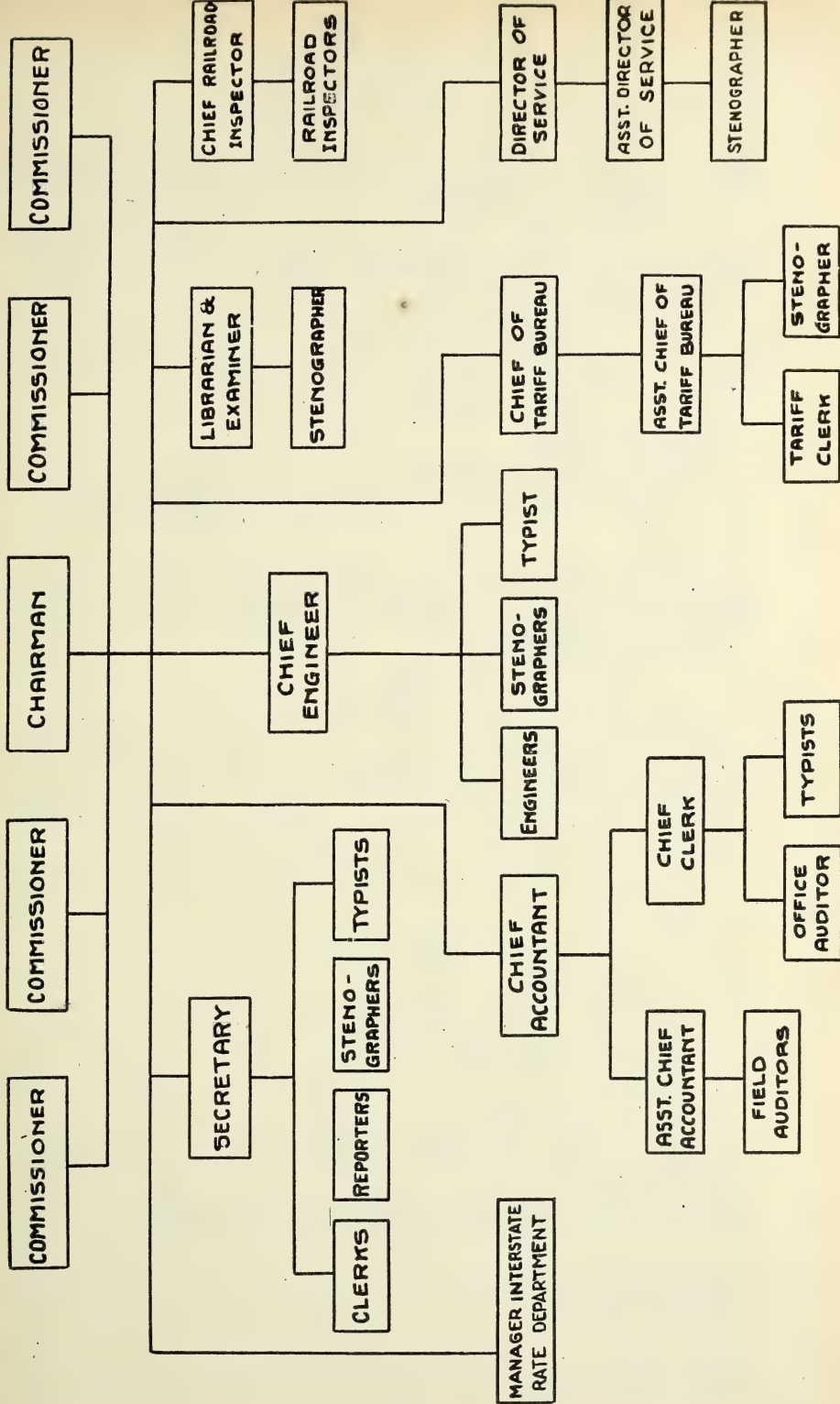
The Public Service Commission of Indiana was established in 1913 (Acts 1913, p. 167), and began operation May 1, 1913. It superseded the Railroad Commission of Indiana, which was established in 1905 (Acts 1905, p. 83). Under various railroad laws, it has general jurisdiction over the rates and service of railroads, both steam and electric, and railroad matters affecting public safety. Under the Public Service Commission Act it has still broader powers over public utilities. The term "public utilities" includes street or interurban railway, telephone, telegraph, heat, light, water, power, elevator and warehouse utilities, whether privately or municipally owned. The Commission's powers over public utilities include the regulation of public utility rates, service, securities issues, and the consolidation, purchase or lease of public utilities.

REORGANIZATION

On May 1, 1921, the Commission was reorganized with the appointment of Commissioner and Vice-Chairman John W. McCardle, (Rep.) of Indianapolis, to become chairman to succeed Chairman Ernest I. Lewis, (Rep.) of Indianapolis, who resigned to accept an appointment as a member of the Interstate Commerce Commission; Paul P. Haynes, (Rep.) of Anderson, who resigned effective March 31, 1921, was succeeded by George M. Barnard, (Rep.) of Newcastle; Mr. Barnard resigned effective April 1, 1922, and was succeeded by Oscar Ratts, (Rep.) of Paoli. Fred Bates Johnson, (Dem.) of Indianapolis) whose term expired on May 31, 1921, was succeeded by Maurice Douglass, (Dem.) of Flat Rock; Edgar M. Blessing, (Rep.) of Danville, was appointed to the remaining vacancy caused by the resignation of Mr. Lewis and took office on June 17, 1921; the term of Glenn Van Auken, (Dem.) of Auburn, expires May 1, 1923.

On May 1, 1921, the staff of the Commission was reorganized. L. Chester Loughry, of Monticello, was appointed secretary of the commission to succeed Frank P. Litschert who filled the unexpired term of Carl H. Mote. H. O. Garman, of Indianapolis, was retained as chief engineer; Mr. Garman resigned effective January 1, 1922, and was succeeded as chief engineer by Earl L. Carter, assistant chief engineer; Harry Boggs was retained as chief of the Accounting Department and

ORGANIZATION CHART



8 CROSS ARMS CTS EA
 5 C I PIPE DOLLARS/TON
 5 POLES DOLLARS EACH
 BAR COPPER CTS/LB

CURVES SHOWING FLUCTUATIONS IN PRICES

JAN
 MAR
 MAY
 JULY
 SEPT
 NOV

FEB
 APR
 JUNE
 AUG
 OCT
 DEC

1911

1912

1913

1914

1915

1916

1917

1918

1919

1920

1921

1922

1923

1924

BEGINNING OF WORLD WAR
 JULY 28, 1914

DECLARATION OF WAR BY U.S.
 APRIL 6, 1917

ARMISTICE SIGNED
 NOVEMBER 11, 1918

CROSS ARMS

POLES 35 7 2

CROSS ARMS

POLES 7

This project provides for the construction of two 20,000 K. W. generating units so built that additional units may be added from time to time. Electricity from this plant will be distributed over transmission lines extending over the state.

SECURITIES ISSUES

During the fiscal year the commission has authorized the issuance of \$908,500 of bonds by municipally owned public utilities, and stocks, bonds and notes of privately owned utilities in the sum of \$63,066,355, making a grand total of \$63,974,855. This is the largest amount of securities ever authorized in one year, and reflects new construction, additions and betterments to public utility property over the state. The average rate of interest on municipally owned utility bonds was 5.44 per cent, as against an average interest rate during the last fiscal year of about 6 per cent. Privately owned utility bonds bore from 5 per cent to as high as 8 per cent. The average rate of interest on privately owned utility bonds authorized during the past fiscal year, was 5.61 per cent as against an average interest rate during the last fiscal year of 6.14 per cent.

Some of the largest bond issues were those by the Citizens Gas Company, No. 6517, April 24, 1922, \$925,000, and No. 6551, April 27, 1922, \$1,000,000; Indiana Electric Corporation, No. 6163, January 26, 1922, \$5,500,000 and No. 6423, July 24, 1922, \$4,500,000; Indiana Hydro-Electric Power Company, No. 6360, January 11, 1922, \$1,250,000; Indiana Power Company, No. 6026, December 7, 1921, \$1,250,000; Merchants Heat and Light Company, No. 6654, June 26, 1922, \$7,205,000, and the Northern Indiana Gas and Electric Company, No. 6548, April 27, 1922, \$5,970,000.

CONSOLIDATION AND SALE

During the past fiscal year a number of reorganizations and consolidations have taken place.

The largest consolidation authorized was that of the Indiana Electric Corporation, Cause No. 6163, January 26, 1922, in which the company was authorized to acquire the properties of the Merchants Heat and Light Company, the Indiana Railways and Light Company, the Elkhart Gas and Fuel Company, the Valparaiso Lighting Company, the Wabash Valley Electric Company, the Putnam Electric Company and the Cayuga Electric Company, and was authorized to issue and sell securities for acquiring said properties.

In Cause No. 6373, February 14, 1922, the Orange County Public Service Company was authorized to acquire the property of the municipal electric plant of the city of Mitchell for the sum of \$40,745, and in Cause No. 6377, February 28, 1922, was authorized to acquire the property of the South Central Service Company for the sum of \$54,770.

In Cause No. 6502, April 12, 1922, the Princeton Telephone Company was authorized to acquire the property in Princeton, of the Oakland City Telephone Company and of the Indiana Bell Telephone Company, thereby giving Princeton a unified telephone service.

In Cause No. 6320, October 24, 1921, the Interstate Public Service Company was authorized to exchange \$225,000 of its prior lien preferred stock for \$335,700 common stock of the Hydro-Electric Light and Power Company.

VALUATION

Table V (infra) contains a complete table of appraisals and estimates made by the Engineering Department of the Commission during the fiscal year for the use of the commission in fixing the value of public utility property.

Under the report of the Engineering Department will also be found a discussion of the methods used by that department in making an appraisal upon which a valuation is based.

APPRAISALS MADE BY ENGINEERING DEPARTMENT

KIND OF UTILITY	Total for Period May 1, 1913 to Sept. 30, 1921	Total for Period Oct. 1, 1921 to Sept. 30, 1922	Grand Total
Electric.....	\$49,824,267	\$1,579,872	\$51,404,139
Electric Railway.....	56,875,792	1,297,183	58,172,975
Gas.....	45,405,142	2,709,039	48,114,181
Heating.....	5,668,051	170,341	5,838,392
Telephone.....	43,641,150	18,711,615	62,352,765
Water.....	35,825,354	19,160,901	54,986,255
Total.....	\$237,239,756	\$43,628,951	\$280,868,707

During the past fiscal year, the Engineering Department changed its method of making appraisals of utility properties. The method originally used by the department was a method which gave a final figure which was probably slightly in excess of original cost. The method used by the Engineering Department in the latter part of the past fiscal year was to make appraisals, using ten-year average unit prices. The ten year average unit prices being for the period from 1911 to 1920 inclusive.

The following explanation of the methods of pricing used during the past fiscal year is typical:

LAND

The staff of this commission appraises land by obtaining data in the following manner: We find people who are familiar with property values in the immediate vicinity of the land to be priced. We gather information from the class of people who are inclined to be conservative in their estimate of land values such as bankers, and we also interview a class of people who are inclined to be optimistic, and forward looking concerning land values such as real estate dealers. After having gathered the data from all of these sources, (from four to six sources as a minimum) we reduce these estimates to a common basis, as for instance front foot, square foot, or acre. After weighing the abilities of the parties from whom information was obtained a figure is adopted by the engineer having this part of the work in charge.

TRANSMISSION AND DISTRIBUTION

In pricing the materials entering into this division of this report, an average of prices prevailing for the ten years 1911-1920 inclusive is used. Because of the variety of these materials, it is necessary to use different methods in arriving at these average prices. We have prices on cast iron pipe running back for a great many years and it is easy to get any kind of an average price desired. With valves, fittings, hydrants, valve boxes, etc., prices over extremely long periods of years are difficult to obtain because types of manufacture change, the items to be priced being either obsolete or of comparatively recent design. The average prices of such items are obtained by estimating the rise or fall from a known cost price, after a study of price fluctuations of similar equipment for which data is available.

BUILDINGS AND MISCELLANEOUS STRUCTURES

Buildings and structures may be priced according to the area of ground occupied, area of floor space, or cubical contents, or the quantities of the various kinds of material entering into their construction may be estimated and the price of the completed structure arrived at, by applying unit prices to these quantities. These unit prices are averages of the prices prevailing over the ten year period 1911-1920 inclusive.

PLANT EQUIPMENT

The statement made under "Transmission and Distribution" regarding valves, hydrants, valve boxes, fittings, etc., applies to a large part of the property listed under Plant Equipment. Frequent changes in design render impossible the task of obtaining actual prices of identical equipment over a ten-year period of time. Here again, the prices used are estimates of what would have prevailed for this equipment over the ten-year period 1911-1920 inclusive, had identical types been on the market throughout that period. For such material as pipe and fittings, prices throughout the ten years mentioned above are available and an average of these prices has been used.

GENERAL EQUIPMENT

The prices used on the items listed under "General Equipment" such as automobiles, office furniture and equipment, tools, instruments, etc., are estimates of the average of prices prevailing for the ten-year period 1911-1920 inclusive.

PAVING

We have endeavored to determine in each case the amount and kind of paving actually cut for the laying of mains, services, hydrant branches and valves and have put upon these items, a unit price which is substantially a ten-year average cost. In no case do we allow the cost of cutting pavement where the water main or service was laid prior to the pavement. All paving cut to repair water mains and service

pipes should be paid for out of the maintenance fund and is an operating expense and not a capital charge. The records of the company are incomplete in respect to paving actually cut, so that the quantities included are probably less than the actual paving cut, but in the absence of further supporting data, the quantities as submitted are used.

MATERIALS AND SUPPLIES

The item of material and supplies is a list of the average quantity of supplies which it is necessary to keep on hand in the operation of the property. These supplies are purchased more or less currently. The materials and supplies listed are not necessarily the materials that we found when we visited the property, but is a list of materials and supplies that is carried by the utility on an average over a period of twelve months' time. In most cases the prices applied to the material and supplies listed are the prices at which the supplies were purchased.

STRUCTURAL OVERHEAD CHARGE

To all of the property item referred to above there is another item of cost of physical property that must be added. We call this item structural overhead expense, because it is an overhead expense which applies to structures. The different elements of cost in this structural overhead expense applies to different parts of the property in varying amounts, but we find it practicable to introduce it in a lump sum. The structural overhead percentage is not applied to the item of material and supplies because these quantities have not entered into the property. We have submitted in this report an amount equal to 15% on the total of all items exclusive of materials and supplies. If the evidence shows that this cost was paid out of operating expenses by the company, we suggest that it be eliminated from this report, and if the evidence shows, beyond the shadow of a doubt, that more than this much was spent, and that it has not been included in any of the unit prices, then this percentage should be increased. It is shown here only for the purpose of calling attention to the fact, that such an item as this exists and should be taken care of, and is introduced in this report in the amount of 15% as being the approximate residue of such items as may not have been included in the unit prices. The item of structural overhead cost should include such costs as engineering, superintendence, interest during construction, taxes during construction, fire and liability insurance, small omissions of inventory, contingencies, etc.

In addition to the amount of properties appraised, as shown in the tables attached, the Engineering Department has done a great deal of work in conjunction with merger cases of electric utilities throughout the state of Indiana. Considerable work has been done on some large electric utility properties, the appraisals of which have not been completed at this time.

The Engineering Department has also aided in working out a set of rules and regulations for water utilities which have not yet been put in final form.

The Engineering Department in conjunction with representatives of the telephone companies, representatives of the electric utilities, rep-

representatives of the electric railway utilities, representatives of the steam railroad companies, representatives of the telegraph companies, representatives of the National Electric Light Association, representatives of the electric railway association and representatives of the Bureau of Standards, has worked out a set of principles and regulations for safety and inductive co-ordination. These principles and regulations are being printed and copies of these principles will be mailed to all of the telephone companies, electric utilities, electric railway companies, steam railroad companies, telegraph companies, and all other interested parties in Indiana.

TARIFF DEPARTMENT

All steam railway, interurban, and utility schedules are filed with the Tariff Department, where they are indexed and classified. Every change in a rate of any character has to be covered by the filing of the schedule or tariff showing such change. All changes in utility rates must first have the approval of the commission and when utility schedules are filed, it is the duty of the Tariff Department to check the schedule against the order of the commission approving the change and if found correct, to pass to the permanent files. During the past year a great many changes have taken place in utility schedules and during this period there has been a general 10 per cent reduction on all steam railroad rates. The reduction in steam railroad rates has been followed by numerous readjustments in interurban freight rates. This has caused a large number of tariffs of such carriers to be filed with the Tariff Department of the commission.

The commission daily receives many inquiries from patrons of utilities and steam and interurban railways as well as many inquiries from the utilities themselves respecting the application of rates, rules, and regulations, which inquiries are referred to the Tariff Department for attention. This in itself constitutes a considerable volume of correspondence, in addition to which, the Tariff Department undertakes to adjust informally complaints concerning utility and railroad rates.

The chief of the department acts also in the capacity of examiner for the commission in utility and railroad matters. In addition to the foregoing activities of the department, the commission itself has been a complainant in formal proceedings brought before the Interstate Commerce Commission in which equitable adjustments of interstate rates have been sought. The work of preparing and presenting such cases has been in the charge of the chief of the Tariff Department, who in these matters has acted as attorney for the commission.

In the last annual report, attention is called to the fact that the District Court of the United States for the District of Indiana had issued a temporary injunction enjoining the Public Service Commission from exercising its jurisdiction over intrastate steam railroad rates. It was pointed out in the last annual report that when this temporary injunction was issued, by agreement of all the parties, the case was allowed to rest on the docket of the district court to await the outcome of a case which arose in the State of Wisconsin and which had been appealed to the Supreme Court of the United States, involving the same

principles as were involved in the suit pending in the District Court of the United States in Indiana. The principles in the two cases were the same and it was agreed that the case here could be disposed of upon the principles announced by the Supreme Court of the United States in the Wisconsin case.

In the October term, 1921, the Supreme Court of the United States rendered its decision and opinion in the case of the *Railroad Commission of Wisconsin vs. The Chicago, Burlington and Quincy Railroad Company et al.*—U. S.—P. U. R. 1922, C-200. The effect of the decision of the Supreme Court of the United States was to uphold the provisions of the *Transportation Act of 1920* and to uphold the action of the Interstate Commerce Commission in directing increases in intrastate rates following the increase previously authorized by the Interstate Commerce Commission for interstate rates in the proceeding known as *Ex Parte 74*, 58 I. C. C. 220.

It then appeared that if the Public Service Commission of Indiana did not take some steps to approve the rates which were then in effect on intrastate steam railroad traffic, the injunction of the district court would be permanent and the Indiana Commission would be indefinitely prohibited from exercising its jurisdiction over such rates. The Public Service Commission of Indiana on April 4, 1922, issued an order, the effect of which was to vacate its order in Cause 5457, which order prohibited the Indiana carriers from making the 40 per cent increase authorized in *Ex Parte 74*, *supra*. The commission having vacated that order, also approved the rates which were filed by the carriers in compliance with the order of the Interstate Commerce Commission in its docket 11894, *In the Matter of the Rates, Fares, and Charges Applicable Between Points in the State of Indiana*. The effect of this action was to approve the rates which the Interstate Commerce Commission had ordered for intrastate traffic in Indiana and subsequently, the Interstate Commerce Commission vacated its order in its docket 11894, which order was the basis for the injunction issued by the District Court of the United States. This order having been vacated by the Interstate Commerce Commission, the Public Service Commission of Indiana then made application to the District Court of the United States for a dissolution of the injunction order. The order of the District Court of the United States was subsequently modified so as to return to the Public Service Commission its full jurisdiction over intrastate rates.

RATES FROM INDIANA TO THE TWIN CITIES

The annual report for 1921 sets forth briefly the issues involved in a complaint which the Public Service Commission of Indiana and the Indiana State Chamber of Commerce filed with the Interstate Commerce Commission with respect to classified freight rates from Indiana points to St. Paul and Minneapolis. It was pointed out in that proceeding that a tentative report of the Interstate Commerce Commission recommended the same level of rates from Indiana to Minneapolis and St. Paul territory as prevailed from points of equal distance in Illinois. Subsequently, the Interstate Commerce Commission did issue its final order in the proceeding which adopted the principles laid down in the tentative

report. This order and decision of the Interstate Commerce Commission secured for Indiana shippers the exact equality of rates which they sought on Minneapolis and St. Paul traffic. The order of the Interstate Commerce Commission removed the discrimination by establishing a lower level of rates from Indiana to the destination territory involved and by increasing the level of rates which prevailed from Illinois. The Illinois shippers objected strenuously to any increase in their rates and the traffic interests of St. Louis were particularly vigorous in opposing this order because of the large volume of business moving from that city. Consequently, petitions for rehearing were filed with the Interstate Commerce Commission and the matter was reopened for further hearing, and the matter was assigned for hearing on October 9, 1922. This commission, the shippers and organizations of the state who are interested in this proceeding have every reason to believe that the Interstate Commerce Commission will not reverse its decision in this matter.

RATES FROM INDIANA TO SOUTHEASTERN TERRITORY

Freight rates between Indiana and points in southern territory, i. e., territory south of the Ohio River, are usually made by combination of the Ohio River gateways. The combination rates are governed by official classification north of the river and southern classification south thereof. This fact itself makes the tariff situation very complicated and it is with extreme difficulty that the actual rate can be ascertained in many instances. However, from territory east of Buffalo and Pittsburgh, commonly known as trunk line territory, joint through rates are in effect to southern territory governed by southern classification. The level of the rates from trunk line territory, mile for mile, is much lower than the rates from Indiana to the same destinations. A survey of the situation disclosed that a great many shippers in this territory were meeting keen competition with competitors in trunk line territory for business in the south and these shippers were laboring under very serious disadvantages on account of the great disparity in the freight rates. Accordingly, the Public Service Commission of Indiana and the Indiana State Chamber of Commerce filed a complaint with the Interstate Commerce Commission attacking the rate structure, both class and commodity.

At about the same time the Interstate Commerce Commission on its motion undertook an investigation of the class rate features of this case as well as an investigation of other related matters. Action on the complaint of this commission was then suspended awaiting the outcome of the investigation of the Interstate Commerce Commission. The Public Service Commission of Indiana and the Indiana shippers and the Indiana State Chamber of Commerce have appeared before the Interstate Commerce Commission and presented their views of the case. The carriers have proposed a solution for the situation which involves a readjustment of the rates from Indiana, Ohio, Michigan and Illinois to southern territory destination and which further involves an increase in the rates from trunk line territory, which if adopted, would have the effect of substantially removing the discriminations complained of. The proposal would put Chicago and New York on the same basis to Atlanta,

Georgia; intermediate territory being graded down to the basis established by the Interstate Commerce Commission from Cincinnati to Atlanta.

While there are yet many matters to be adjusted between points in the territory of origin, yet, on the whole, the proposal is to establish joint through rates, commonly called overhead rates, on a parity with rates from competitive territory. It has been thought best to endorse this proposal of the carriers as a whole, leaving the minor discriminations to be ironed out at a later period. The hearings on this complaint have not yet been concluded, but every indication points to the fact that the relief sought will be obtained.

MISSOURI RIVER RATE CASE

The Indiana-Illinois rate line fiction is responsible for another rate situation highly prejudicial to Indiana. West bound rates to Mississippi River cities such as Kansas City, Omaha, Sioux City and Sioux Falls are made by combination on the Mississippi River crossings or by combination on some points west of the Indiana-Illinois line in Illinois, whereas rates from Illinois territory are joint through rates. Western classification applies on Illinois traffic west bound to Mississippi River cities, whereas from Indiana, the official classification applies to the Illinois or Mississippi gateway, with western classification applying beyond. The difference in the two classifications produces some discriminations against Indiana, but the accumulative effect of percentage increases which have been applied to the official classification rates, and which have not been applied to the western classification rates from Illinois have produced a heavy discrimination against Indiana on practically all traffic. This is illustrated by the fact that rates from Indiana to the gateway have been increased since 1915 by 5 per cent, 15 per cent, 25 per cent and 40 per cent, whereas the rates from Illinois points have been increased by 25 per cent and 35 per cent only. The general reduction of 10 per cent on July 1, 1922, did not remove the discriminations.

A complaint filed by the Public Service Commission and the Indiana State Chamber of Commerce with the Interstate Commerce Commission sets forth the discriminatory conditions and asked that joint through or overhead rates be established from Indiana governed by western classification which would have the effect of putting Indiana, relatively, on the same basis as Illinois. The Interstate Commerce Commission has heard the testimony in this case and as usual the Illinois and Mississippi River cities fought desperately against Indiana efforts for a square deal. The case has not yet been decided, but in as much as the principles involved in this proceeding are substantially the same as were involved in the St. Paul and Minneapolis adjustment, the outlook is hopeful for a favorable decision.

SUGAR RATE CASES

The commission has filed with the Interstate Commerce Commission two complaints alleging a discrimination against Indiana in respect to rates on sugar from Pacific Coast and inter-mountain territory, i. e.,

Idaho, Utah and Colorado. The rates on sugar from the western producing points to Illinois are joint through rates, whereas the rates to Indiana points are constructed by use of the joint through rate to the Illinois gateway plus the local rate beyond, usually the Chicago combination. Indiana is considerably handicapped in respect to the rates on this commodity and the commission has felt it should be entitled to joint through rates from producing points in the west the same as to points in Illinois. At the time the complaint was filed, the rate from Colorado points to Chicago was \$0.62 per hundred pounds, the rate to Indianapolis being 82½ cents per hundred pounds and to Fort Wayne 87½ cents per hundred pounds. Considering the long haul involved in this traffic, it is thought that the rate from Colorado points to Indianapolis should not be in excess of 66 cents per hundred pounds. This again illustrates the effect of the arbitrary division of rates at Indiana-Illinois line on east bound traffic. Testimony in these two cases has been heard but decision of the Interstate Commerce Commission has not yet been announced.

OTHER FORMAL CASES

Other formal cases filed by the Public Service Commission with the Interstate Commerce Commission seeking to remove discriminations against the shippers and receivers of freight in Indiana includes a complaint attacking the general level of the rates on logs in this state; a formal case seeking to remove certain discriminations in the classification of kitchen cabinets; a case seeking to remove discriminations on coal from Ohio and eastern Kentucky, Tennessee and West Virginia mines in which it is alleged that certain territory in Indiana, known as the Gas Belt, is being charged rates which are excessive in comparison to other Indiana cities and as compared to certain cities in the southern portion of Michigan and northwestern Ohio. The evidence in these cases has all been presented to the Interstate Commerce Commission, but no decisions have yet been announced.

The commission has also protested against the proposal of the Southern Pacific Railway to reduce its rates from New York piers to Pacific Coast points and intermediate territory. The Southern Pacific operates from New Orleans and Galveston west to the Pacific Coast, but also owns boat lines which operate from New York piers to Galveston. The rates maintained from New York piers via boat line and Galveston to western coast and interior western points have been reduced on a long list of commodities, placing them on the same basis as prevails from Chicago west bound. It was felt by the commission that this would place competitors in the east on a lower basis than prevails from Indiana and would be injurious to the industrial interest of the state. The commission therefore opposed the proposal and this case has been heard, but no decision has yet been announced.

The above cases have been handled largely through the Tariff Department of the commission. While it has been known for a long time that these discriminations existed, yet the commission was unable to proceed in these matters until after the war and after the control of the railroads had been relinquished to their respective owners. The com-

mission has in mind many other cases which it hopes to file in the course of the coming year in which it will seek to remove discriminations against the state. These discriminations exist on traffic moving between Indiana and points in southern, southwestern and western territory. The commission has also joined with the Indiana State Chamber of Commerce in its effort to remove discriminations which exist against Indiana in fuel oil rates from Oklahoma and mid-continent territory.

MISCELLANEOUS ADJUSTMENTS

Many Indiana intrastate rates have been adjusted informally by calling the matter to the attention of the various carriers. The notable example of this adjustment is the rates on sand and gravel which were reduced by agreement with the carriers in November, 1921, after the Governor had called a conference of all the steam railways operating in the state, who met in his office with the representatives of the Indiana State Highway Commission and of the Public Service Commission.

Many individual rates have been readjusted in this way, including certain rates on grain, ice, canned goods, specific sand and gravel rates, crushed stone, coke, straw, iron and steel articles, brick and building material.

Many formal cases have been filed with the Public Service Commission during the past year involving the reasonableness of intrastate rates on steam and interurban railways, which cases have been heard and disposed of. Many of the rates have been found unreasonable and reduced rates ordered. These cases include a great many specific short haul rates on coal and also includes a 10 per cent reduction ordered in all coal rates applying to distances of less than thirty miles, which reductions the carriers refused to make, following the general 10 per cent reduction made July 1, 1922.

ACCOUNTING DEPARTMENT

During the fiscal year ended September 30, 1922, the accounting department has been fully occupied. While the number of audits made during the period is not so great as last year, the department has been called upon to make several extensive and exhaustive examinations of a special character, requiring the most careful and painstaking work, frequently of an extremely technical and difficult character. It is gratifying to know that the work of this department has been found singularly free from errors, although in many instances subjected to the most critical and adverse examination.

During the year the number of calls for information, both through the mails and by personal calls, has largely increased, indicating that the public generally is beginning to understand and avail itself of the services of this department in the collating of data of a general and technical character pertaining to the financial operation and management of the various kinds of public utilities coming under the jurisdiction of the Public Service Commission.

During the year the department has devoted considerable time to originating a simplified system of accounting suitable for the purposes

of the smaller utilities. An experience of more than eight years has demonstrated that the smaller companies, included in classes C and D, are unable to handle the uniform system of double-entry accounting originally prescribed by the Commission. While the original system was based on proper and well recognized theories and methods of accounting, in actual practice it has been found to be impractical by the classes of utilities named. A critical examination of the annual reports of public utilities in classes C and D, in addition to numerous examinations of their records by field accountants, indicate that approximately 65 per cent of the utilities named are not keeping their accounts in accordance with the prescribed methods of double entry accounting. In most instances this has been found to be due to an inability to understand and apply the prescribed methods notwithstanding the sincere and earnest effort on the part of both the accounting department and the utility manager.

With a view of correcting this condition this department has devised a much simpler method which can be readily understood and used by any person of ordinary education. In order to do this it has been necessary to entirely abandon the usual theory of accounting and devise a method radically different from the uniform system of accounts as originally prescribed by this Commission. This work has progressed so far that it seems very probable that the new method will be in use beginning with the opening of the next calendar year.

Since the inauguration of the department a total of 1,128 formal audits have been made, divided among the various classes of utilities as follows:

	Prior to Oct. 1, 1921	Present Year	Total
Electric light and power.....	278	37	315
Electric railway	43	2	45
Gas	101	23	124
Heating	35	3	38
Telephone	474	31	505
Warehouse	1	..	1
Water	91	8	99
Steam railway	1	..	1
Total	1,024	104	1,128

SERVICE DEPARTMENT

In the report of this department for the year ending October 1, 1921, the scope of the department's activities and the method used in handling its records and files, was fully set out and need not be repeated.

The Service Department was established by the commission as of September 1, 1919. Until March 1, 1922, its personnel consisted of the Director of Service and one other employee, who combines the functions of stenographer and clerk. The rules and standards of service for electric and gas utilities heretofore established by the commission provide for the testing of meters upon application of the utility or the consumer. Request for such tests became very numerous during the latter part of 1921 and the early part of 1922 and interfered seriously with the regular work of the Engineering Staff, members of which had been making

the tests. For this reason, the commission, being of the opinion that such tests could be more expeditiously and satisfactorily handled by an employe expressly designated for the purpose, added to the Service Department an expert in meter testing. The duties of this employe were subsequently somewhat enlarged, as it was found that in connection with meter tests, other investigations often became essential. For example, where a consumer complains of excessive charges for gas or electricity and a test discloses the meter to be accurate, it becomes necessary to make further investigation in order to determine, if possible, the cause of the charges complained of. Similarly, if there is general complaint regarding charges in a community and the test of a large number of meters indicates that the meters generally in use in that community are accurate, the investigation must be continued until the cause is found.

During the period from March 1, to October 1, 1922, some 159 cases were handled by the meter expert, and these required eighty-six visits to various cities and towns throughout the State. Some of these cases required the installation of graphic testing appliances, and the investigations incident thereto covered several weeks.

SUMMARY OF ACTIVITIES

The following table will give an idea of the work handled by this department during the year ending September 30, 1922:

Adjustment cases, disposed of.....	350
Adjustment cases, open October 1.....	79
Informal complaints, disposed of.....	310
Formal cases, disposed of.....	28
Formal cases, open October 1.....	14

Number of visits to various places in State:

By the Director of Service.....	102
By the meter expert.....	86

SERVICE CONDITIONS AND PUBLIC RELATIONS

While the foregoing table shows that the activities of this department have been somewhat greater during the past year than during any preceding year of its existence, this by no means indicates that service conditions have become worse, or that public relations between the utilities of this State and their consumers, have not improved. The increased activities are due to the fact that the department is becoming more widely known and an increasing number of consumers in all parts of the State are availing themselves of its services. The records of the individual utilities with one or two notable exceptions show that the number of service complaints made directly to the utilities, are decreasing. The tone of the complaints received by the Service Department and the attitude of the utilities, as disclosed by their correspondence with the department, show that the relations existing between the utilities and the public have greatly improved. This betterment of public relations, as stated in its report of last year, is one of the chief purposes of the Service Department. Throughout its existence the Service Department has endeavored to impress upon the utilities the necessity of improving

their relations with the consumers of their products, not only by giving adequate service, but by acquainting the public with their needs and their problems. Several of the larger utilities have recently conducted campaigns of education and utility operation by means of newspaper advertisements, lectures and motion pictures. They have impressed upon their employes the necessity of forbearance and patience in their dealings with the public, and above all, of the absolute essentiality of courtesy at all times. These efforts on the part of the utilities have begun to show results and it is noticeable that the public has become less suspicious in its attitude toward public utilities generally, due to a better understanding of their needs and of the difficulties of utility operation. Very recently a number of the smaller utilities have begun to make an effort to establish a proper public relation along the same line, and there can be no doubt that these efforts will be rewarded with similar results.

COMMITTEE ON RULES AND STANDARDS FOR WATER UTILITIES

The commission has heretofore established rules and standards of service for electric, gas and hot water heating utilities. The effect of the establishment of these rules and standards of service has been excellent and the commission during 1922 prepared to establish rules and standards of service for water utilities. Because of the importance to the community, of an adequate water supply, free from contamination, with sufficient pressure to meet demands for domestic and fire service, and as free from interruptions as possible, the commission determined to request a committee of representative citizens to co-operate with it in the formation of rules and standards for water service. A committee was appointed representing the State Board of Health, the State Fire Marshal, the Attorney General, womens' organizations throughout the State, Indiana and Purdue Universities, business men and private and municipal water utilities. The commission was gratified to find that the citizens appointed on this committee, almost without exception, accepted the invitation to membership. The committee as finally organized, consisted of the following:

Mr. B. J. Burris, State Supt. of Public Instruction, Indianapolis.

Mrs. Edmund D. Ball, Muncie, Indiana.

Mr. Newman T. Miller, State Fire Marshal, Indianapolis.

Dr. W. F. King, Asst. State Health Commissioner, Indianapolis.

Miss Vida Newsom, Columbus, Indiana.

Mrs. Wm. M. Zeller, Brazil, Indiana.

Mrs. Felix T. McWhirter, Indianapolis.

Mrs. Edward Franklin White, Second Deputy Attorney General, Indianapolis.

Mr. Arthur Hall, Vice-President and General Manager Lincoln Life Insurance Company, Ft. Wayne.

Mr. E. Vernon Knight, President, New Albany Veneering Company, New Albany, Indiana.

Dr. W. M. Tucker, Dept. of Geology, Indiana University, Bloomington.

Professor R. B. Wiley, acting head, School of Civil Engineering, Purdue University, LaFayette, Ind.

Mr. John W. Toyne, Supt. South Bend Water Dept., South Bend, Indiana.

Mr. Chas. Streithof, Supt. Evansville Water Dept., Evansville, Indiana.

Mr. W. L. Younce, Supt. New Castle Water Dept., New Castle.

Mr. Dow R. Gwin, President Terre Haute Water Works Co., Terre Haute, Indiana.

Mr. Howard A. Dill, Supt. Richmond City Water Works Co., Richmond, Indiana.

Mr. F. G. Jordan, Secretary, Indianapolis Water Co., Indianapolis, Indiana.

Mr. Earl Carter, Chief Engineer, Public Service Commission, Indianapolis.

Mr. Carl Wilde, Director of Service, Public Service Commission, Indianapolis.

The first meeting of the committee was held April 25, 1922, at the offices of the commission, and at that time the general committee was divided into various sub-committees to formulate rules relating to various aspects of the water problem. The following subjects were assigned to the various sub-committees:

Water Main Extensions.

Company Rules and Regulations.

Meters.

Water Plant Equipment.

Inspection of Plant and Equipment.

Inspection by Public Service Commission.

Pumpage Records.

Continuity of Supply.

Interruptions of Service.

Discontinuance of Service.

Quality of Water.

Protection against Contamination.

Flushing of Mains.

Water Pressure.

Pressure Records.

Fire Service.

Mr. Burris was elected chairman of the General Committee; Mrs. Ball, vice-president and Mr. Wilde, secretary.

The second meeting of the committee was held on June 6, in the commission's offices. A tour of inspection was made of the various plants of the Indianapolis Water Company, as it was believed that because the Indianapolis Water Company had in use practically every type of modern equipment and because it pumped both filtered river water and well water, that an inspection of its plants would give the committee a practical illustration of the operation of a water utility and would familiarize the lay members of the committee with the application of the various more or less technical terms which would necessarily be used in the rules to be adopted. Prior to this meeting a number of the sub-committees had submitted proposed rules regarding the subjects assigned

to such sub-committees, and these rules were discussed and amplified. After the tour of inspection the committee returned to the committee rooms and authorized the chairman to appoint a sub-committee of five of the members of the committee residing in Indianapolis for the purpose of formulating and codifying the various rules as the same were submitted by the various sub-committees appointed at the first meeting.

The importance of the work of this committee can hardly be exaggerated, especially in view of the fact that no other State has ever yet adopted rules and standards which cover the subject as completely as will the rules and standards, the adoption of which is contemplated by this committee. Inquiries have been received from many State regulatory bodies requesting that they be kept apprised of the work of the committee. The records of the committee are in charge of the Director of Service of the commission in his capacity as secretary of the general committee, and a good deal of his time and attention has been devoted to the committee's work.

RAILROAD AND INSPECTION DEPARTMENT

The following is the summary of the work of this department for the year ending September 30, 1922:

The duties of the department have, as usual, varied greatly during the year. Considerable time has been devoted to investigation of highway and railroad crossing accidents, to distribution of coal on priority orders, to wire construction over and across railroad tracks, the tracing of cars, and in a general way the inspection of railroad equipment.

Attention is called to Table No. VI, showing accidents and casualties on steam and electric railroads in Indiana, the first table covering passengers carried by steam railroads. It is to be noted that during the year, no passengers were reported killed in the State, while in the year closed September 30, 1921, thirty-seven passengers were reported killed.

Table No. 2 steam railroads, dealing with travelers on highways: This table will show that during this calendar year, 112 persons were killed in highway crossing accidents, being struck by trains or by having run into sides of trains after the crossing was covered by such trains. Of the 112 persons killed at highway crossings, nine of this number were killed by running into side of trains and twenty-nine of the number injured were injured by the same cause, running into the side of the trains.

Table No. 3, employes on steam railroads, will show considerable reduction in the loss of life to employes.

Table C, total casualties on all electric railroads, will show that no passengers were killed on any of these roads. It will also show that the number of persons killed in highway crossing accidents on interurbans was thirty-six, this is a reduction of almost 50 per cent, and that the number of persons injured in such highway crossing accidents has been slightly reduced. The total number of persons killed in highway crossing accidents for the year ending September 30, 1921, by both steam and electric railroads was 180, while the total number killed for the year ending September 30, 1922, was 148, this reduction being made on interurban lines.

INTERSTATE RATE DEPARTMENT

This department was organized for the purpose of protecting Indiana Commercial and Industrial interests in the matter of interstate transportation rates, to secure as far as possible, a rate adjustment that will put Indiana on a relative parity with other states. In this direction a number of proceedings have been instituted before the Interstate Commerce Commission seeking relief from discriminatory rate conditions. Several reparation claims have already been authorized for individual concerns, and cases involving greater scope have been heard and are awaiting decisions, each of which will affect numerous shippers in the State.

The department has given to many applicants information relative to rates, regulations, classification and shippers' rights in each case as submitted. Rates affecting State departments have been revised in several instances to the pecuniary advantage of the State. Individual concerns have been assisted in preparing petitions to the Interstate Commerce Commission and to the Public Service Commission of Indiana, with the aim of securing relief from adverse rate adjustments. Relief has in many cases been secured by negotiation with carriers direct.

PART TWO.

TABLES

INDEX TO STATISTICAL TABLES

Table No.

- I. Financial report of the commission for the fiscal year ending September 30, 1922.
- II. Comparative financial statement for fiscal years ending September 30th.
- III. Public utility securities authorized during the fiscal year ending September 30, 1922.
- IV. Cases pending before the commission on September 30, 1922.
- V. Appraisals of public utility property made by the Engineering Department of the commission during the fiscal year ending September 30, 1922.
- VI. Accidents and casualties on steam and electric railroads in Indiana during the fiscal year ending September 30, 1922.
- VII. Operating statistics of electric railroads for the calendar year 1921.
- VIII. Operating statistics of steam railroads for the calendar year 1921.
- IX. Operating statistics of public utilities for the calendar year 1921.
- X. Revenues and expenses of public utilities per unit for the calendar year 1921.

TABLE I

FINANCIAL STATEMENT

(For fiscal year ending September 30, 1922)

(A) RECEIPTS

Total fees collected during year available for use of Commission, (being statutory fees in authorizing the issue of common and preferred stock, bonds, and notes by various utilities).....	\$89,169 62
Total receipts collected (being amounts refunded by various utilities to reimburse the state for expenses incurred by the Commission in making audits of books and appraisals of property as provided by statute; fees in meter test cases, charges for copies of orders, evaluations, etc.).....	22,527 50
Total	\$111,697 12

(B) EXPENDITURES

Commissioners and secretary.....	\$33,583 88
Salaries of accountants, engineers, librarian, inspectors, clerks, reporters and stenographers	100,432 59
Unclassified personal service	5,442 16
Traveling expense	9,073 29
Postage	1,440 50
Telephone, telegraph, expressage	1,323 25
Office supplies, printing, etc.....	3,847 36
Furniture, typewriters, fixtures.....	517 81
Legal expense	5,283 82
Miscellaneous	1,537 41
Total.....	\$162,482 07

TABLE II.—COMPARATIVE FINANCIAL STATEMENT, FISCAL YEAR ENDING SEPTEMBER 30.

	1917	1918	1919	1920	1921	1922
Receipts:						
Appropriation.....	\$117,000 00	\$109,000 00	\$109,000 00	\$100,000 00	\$100,000 00	\$169,150 00
Security issue fees.....	25,361 75	20,391 53	24,851 23	70,070 44	45,103 89	89,169 62
Refund of Com. expenses.....	4,376 14	9,098 25	8,833 26	36,451 43	37,521 94	22,527 50
Total funds available for use of Commission.....	\$142,261 75	\$129,391 53	\$133,851 23	\$206,521 87	\$182,625 83	\$280,847 12
Disbursements:						
Commissioners' and Secretary's salaries.....	\$35,027 42	\$32,100 00	\$33,300 00	\$32,850 00	\$32,655 73	\$33,583 88
Accountants' salaries.....	9,962 96	10,427 53	13,768 54	19,831 22	22,362 32	24,656 25
Inspectors' salaries.....	12,560 01	11,232 89	9,133 26	9,949 88	10,344 92	8,315 48
Engineers' salaries.....	17,348 66	20,846 29	24,902 90	26,970 00	29,519 73	28,651 50
Tariff clerks' salaries.....	4,402 54	6,299 00	5,799 96	5,983 41	6,879 10	7,850 00
Librarian's and service dept. salaries.....		858 98	2,041 60	3,016 56	5,225 00	8,106 71
Stenographers' and reporters' salaries.....	12,044 87	15,474 68	19,621 32	23,377 40	27,523 93	23,759 36
Unclassified personal services..	894 85	1,545 12	2,245 18	3,982 08	3,050 00	4,535 45
Postage.....	541 00	1,481 50	1,588 00	2,323 00	854 00	1,440 50
Other office supplies.....	777 03	743 33	1,354 48	8,557 61	7,707 71	3,847 36
Freight and express.....	43 80	33 97	35 23	28 20	27 65	21 20
Telephone and telegraph.....	522 62	1,130 17	1,055 83	1,694 45	1,559 06	1,302 05
Furniture, typewriters, etc.....	3,035 16	3,332 50	5,444 11	3,163 77	1,546 22	517 81
Legal expense.....						5,283 82
Miscellaneous.....	250 62	1,055 67	790 74	3,578 38	799 03	1,537 41
Traveling expenses.....	5,001 94	9,190 29	12,626 88	14,843 87	13,596 23	9,073 29
Total.....	\$102,413 41	\$115,751 92	\$133,708 03	\$160,150 73	\$163,650 63	\$162,482 07
Unused balance.....	\$39,848 34	\$13,639 61	\$143 20	\$46,371 41	\$18,975 20	\$118,365 05

TABLE III
PUBLIC UTILITY SECURITIES AUTHORIZED DURING FISCAL YEAR ENDING SEPTEMBER 30, 1922
A. *Privately Owned Utilities*

NAME OF UTILITY	Number	Date	Stock		Bonds	Debts Notes	Rate	Price
			Common	Preferred				
Akron Light, Heat and Power Company.....	6,562	5-10-22		\$5,000			6	\$100 00
Akron Light, Heat and Power Company.....	6,562	5-10-22	\$5,000					100 00
Avilla Mutual Telephone Company.....	6,350	12-12-21	15,000					100 00
Biphus Utilities Company.....	6,342	12-2-21	50,000		\$50,000		7	100 00
Butler Utilities Company and The Indiana Power and Light Company.....	5,769	5-3-22	15,200					100 00
Carliste Co-operative Telephone Company.....	6,612	8-3-22			6,000		6	100 00
Central Indiana Gas Company.....	6,679	8-18-22			16,000			75 00
Central Indiana Gas Company.....	6,179	12-2-21		1,412,900			8	90 00
Chicago, Lake Shore and South Bend Railroad Company.....	6,475	5-12-22			22,000		5	90 00
Chicago, South Bend and Northern Indiana Railroad Company.....	6,481	4-17-22			424,000		5	80 00
Churubusco Water and Light Company.....	6,278	10-13-21				\$10,000	5	
Churubusco Water and Light Company.....	6,278	1-13-22			10,000		8	
Citizens Gas and Fuel Company.....	6,182	2-11-22	283,000				7	100 00
Citizens Gas Company of Indianapolis.....	6,551	4-27-22			1,000,000		7	94 00
Citizens Gas Company of Indianapolis.....	6,517	4-24-22			925,000		5	78 00
Citizens Independent Telephone Company.....	5,037	5-11-22			80,000		6	85 00
Citizens Telephone Company of Fairmount.....	6,746	9-11-22			10,000		7	90 00
The Colfax Electric Company.....	6,553	5-30-22				12,500	8	
Dome Gas Company.....	6,355	11-23-21				5,300	8	
East Chicago and Indiana Harbor Water Company.....	6,688	8-29-22			67,500		5	85 00
Eastern Indiana Telephone Company.....	6,382	12-22-21	41,000					100 00
Elizabethtown Light and Power Company.....	6,399	3-31-22	10,000					100 00
Elizabethtown Light and Power Company.....	6,686	7-19-22			6,000			100 00
Farmland Water Company.....	6,713	9-8-22	12,000					100 00
Farmland Water Company.....	6,713	9-8-22		16,000			6	94 00
Frankfort Water Works Company.....	6,434	2-14-22		50,000			7	100 00
Gary Street Railway Company.....	6,552	5-26-22			20,000		5	80 00
Gary Street Railway Company.....	6,552	7-22-22			110,000		5	75 00
Gary and Valparaiso Railway Company.....	6,388	1-13-22	70,000					100 00
Gary and Valparaiso Railway Company.....	6,388	1-13-22		70,000			6	100 00
Gary and Valparaiso Railway Company.....	6,388	1-13-22			145,000		6	100 00
Greensburg Water Company.....	6,665	8-5-22				4,750	8	
Hammond Water Works Company.....	5,053	6-23-22			175,000		6	100 00
Home Telephone Company of Wabash, Indiana.....	6,214	10-15-21	136,700					100 00

Home Telephone Company	6.385	12-20-21		30,000			7	100 00
Hope Independent Telephone Company	6.279	10-28-21		13,000			7	100 00
Indiana Bell Telephone Company	6.484	3-9-22			4,000,000		6	100 00
Indiana Electric Corporation	6.163	1-26-22			3,250,000		7	100 00
Indiana Electric Corporation	6.163	1-26-22			2,250,000		7½	100 00
Indiana Electric Corporation	6.163	1-26-22		1,500,000			7	100 00
Indiana Electric Corporation	6.163	1-26-22	2,000,000					100 00
Indiana Electric Corporation	6.423	7-24-22	1,000,000					100 00
Indiana Electric Corporation	6.423	7-24-22			4,500,000		6	90 00
Indiana Electric Corporation	6.423	7-24-22		1,500,000			7	90 00
Indiana Gas Light Company	6.408	2-9-22			217,050		6	
Indiana Gas Light Company	6.408	2-9-22			178,050		5	
Indiana General Service Company	6.408	2-9-22				17,805	5	
Indiana General Service Company	6.717	8-28-22		193,800			5	
Indiana Hydro-Electric Power Company	6.360	1-11-22			775,000		5	100 00
Indiana Hydro-Electric Power Company	6.360	1-11-22			1,250,000		7	85 00
Indiana and Michigan Electric Company	6.406	1-21-22	3,500,000					100 00
Indiana and Michigan Electric Company	6.606	8-5-22		300,000			7	100 00
Indiana and Michigan Electric Company	6.606	8-5-22		300,000			5	80 00
Indiana and Michigan Electric Company	6.606	8-5-22		300,000				100 00
Indiana and Michigan Electric Company	6.606	8-5-22	200,000					100 00
Indiana Power Company	5.538	11-17-21				800,000	8	100 00
Indiana Power Company	6.026	12-7-21			1,250,000			100 00
Indiana Utilities Company	5.953	1-7-22			92,100		8	90 00
Indianapolis Gas Company	6.230	10-7-21			160,000		8	80 00
Indianapolis Gas Company	6.647	7-5-22			105,000		5	80 00
Indianapolis Gas Company	6.230	4-22-22			160,000		5	78½
Indianapolis Water Company	6.264	10-20-21		348,000			7	78 00
Indianapolis Water Company	6.429	2-15-22		154,000			7	95 00
Interstate Public Service Company	6.327	11-23-21		379,000			7	100 00
Interstate Public Service Company	6.320	10-24-21		210,000			7	100 00
Interstate Public Service Company	6.543	5-10-22		372,000			6	75 00
Interstate Public Service Company	6.504	4-3-22		227,000			7	90 00
Interstate Public Service Company	6.503	3-25-22			658,000		5	75 00
Knox and Sullivan County Light and Power Company	6.655	7-22-22	15,000					100 00
Knox and Sullivan County Light and Power Company	6.655	7-22-22		15,000			7	80 00
Knox and Sullivan County Light and Power Company	6.655	7-22-22			68,000		6½	90 00
Knox and Sullivan County Light and Power Company	6.576	5-26-22				50,000	7	100 00
La Fayette Street Railway, Inc.	6.507	3-31-22	125,000					100 00
La Fayette Street Railway Company	6.507	3-31-22		125,000			7	100 00
La Fayette Street Railway Company	6.489	4-11-22	200,000					100 00
Liberty Light and Power Company	6.753	8-20-22	25,000					94 00
Liberty Light and Power Company of Richmond	6.753	8-29-22		25,000				90 00
Logansport Home Telephone Company	6.387	12-22-21	30,000					100 00
Lynn Water Company	6.714	9-29-22	13,000					94 00
Lynn Water Company	6.714	9-29-22		28,800			6	94 00
Madison Light and Railway Company	6.328	11-8-21		25,000			7	95 00
Martinsville Gas and Electric Company	6.283	1-13-22		52,000			7	100 00

TABLE III
PUBLIC UTILITY SECURITIES AUTHORIZED DURING FISCAL YEAR ENDING SEPTEMBER 30, 1922
A. Privately Owned Utilities—Continued

NAME OF UTILITY	Number	Date	Stock		Bonds	Debits Notes	Rate	Price
			Common	Preferred				
Medora Telephone Company.....	6,332	10-28-21	.....	.....	7,500	.....	7	90 00
Merchants Heat and Light Company.....	6,664	6-26-22	.....	.....	7,205,000	.....	6	93 00
Mitchell Telephone Company.....	6,353	11-23-21	.....	.....	.....	8,500	8	100 00
The Monon Water Company.....	6,623	6-24-22	16,000	.....	.....	.....	.....	100 00
Mooreland and Rural Telephone Company.....	6,370	12-22-21	4,800	32,000	.....	.....	6	94 00
Noblesville, Heat, Light and Power Company.....	6,645	6-28-22	.....	.....	.....	.....	.....	100 00
Noblesville, Heat, Light and Power Company.....	6,435	3-17-22	.....	40,000	310,000	.....	6½	94 04
Northern Indiana Gas and Electric Company.....	6,548	4-27-22	.....	4,000,000	.....	.....	6	90 00
Northern Indiana Gas and Electric Company.....	6,548	4-27-22	.....	5,000,000	5,970,000	.....	7	100 00
Northern Indiana Gas and Electric Company.....	6,548	5-9-22	1,000,000	.....	.....	.....	6	90 00
Northern Indiana Gas and Electric Company.....	6,349	1-7-22	35,000	.....	.....	.....	8	100 00
Northwestern Indiana Telephone Company.....	6,425	2-14-22	.....	.....	211,700	.....	.....	100 00
Richmond, Light, Heat and Power Company.....	6,425	2-14-22	.....	200,000	.....	.....	6	.....
Rosedale Mutual Telephone Company.....	6,537	5-3-22	5,000	.....	.....	2,000	7	.....
Rosedale Mutual Telephone Company.....	6,537	5-3-22	.....	.....	.....	.....	.....	100 00
Seymour Water Company.....	6,368	12-19-21	50,000	.....	.....	8,000	7	100 00
Smithville Telephone Company.....	6,571	6-23-22	5,000	5,000	.....	.....	.....	100 00
Smithville Telephone Company.....	6,571	6-23-22	.....	.....	50,000	.....	7	100 00
Sullivan County Water Company.....	6,541	6-16-22	.....	.....	19,000	.....	7	100 00
Terre Haute Water Works Company.....	6,448	3-10-22	.....	14,400	.....	.....	6	85 00
Union City Telephone Company.....	6,438	2-9-22	.....	.....	.....	66,000	8	95 00
Union Traction Company.....	6,483	3-18-22	45,000	.....	.....	.....	7	100 00
Upland Water Company.....	6,658	8-29-22	.....	.....	75,000	.....	6	100 00
Valparaiso Lighting Company.....	6,357	8-21-22	.....	.....	.....	.....	.....	100 00
Vincennes Electric Railway Company.....	6,357	1-24-22	100,000	.....	200,000	.....	6	100 00
Vincennes Electric Railway Company.....	6,357	1-24-22	.....	40,000	.....	.....	7	96 00
Washington Water, Light and Power Company.....	6,340	11-16-21	.....	10,000	.....	.....	6	80 00
Winona Telephone Company.....	6,424	2-10-22	.....	.....	.....	.....	.....	96 00

PUBLIC UTILITY SECURITIES AUTHORIZED DURING FISCAL YEAR ENDING SEPTEMBER 30, 1922
B. Municipally Owned Utilities

NAME OF UTILITY	Number	Date	Stock		Bonds	Debts Notes	Rate	Price
			Common	Preferred				
Albion.....	6,286	10-28-21	.....	.....	\$24,000	.....	6	\$100 00
Auburn.....	6,542	4-25-22	.....	.....	62,000	.....	5	100 00
Angola.....	6,277	10-13-21	.....	.....	60,000	.....	6	100 00
Bedford.....	6,664	8-5-22	.....	.....	35,000	.....	6	100 00
Bedford.....	6,535	5-3-22	.....	.....	40,000	.....	5	100 00
Bloomington.....	6,662	7-7-22	.....	.....	100,000	.....	6	100 00
Cambridge City.....	6,723	9-8-22	.....	.....	4,500	.....	5	100 00
Delphi.....	6,550	5-12-22	.....	.....	5,000	.....	6	100 00
Evansville.....	6,539	4-21-22	.....	.....	140,000	.....	5	100 00
Fairmont.....	6,597	5-26-22	.....	.....	7,500	.....	6	100 00
Jasper.....	6,550	5-20-22	.....	.....	5,500	.....	5	100 00
Kentland.....	6,730	9-11-22	.....	.....	12,000	.....	5	100 00
Kingman.....	6,285	11-21-21	.....	.....	9,500	.....	5	100 00
Knightstown.....	5,967	6-23-22	.....	.....	9,000	.....	5	100 00
Laporte.....	6,725	8-24-22	.....	.....	100,000	.....	4½	100 00
Laporte.....	6,397	1-7-22	.....	.....	22,000	.....	6	100 00
Liberty.....	6,480	3-31-22	.....	.....	10,000	.....	5	100 00
Liberty.....	6,501	3-25-22	.....	.....	50,000	.....	5	100 00
Marion.....	6,281	10-14-21	.....	.....	25,000	.....	6	100 00
Michigan City.....	6,493	4-3-22	.....	.....	40,000	.....	5½	100 00
Michigan City.....	6,569	6-16-22	.....	.....	3,500	.....	5	100 00
Montgomery.....	6,213	10-4-21	.....	.....	8,000	.....	5½	100 00
Moreno.....	6,634	7-15-22	.....	.....	5,000	.....	6	100 00
Paragon.....	6,383	4-17-22	.....	.....	25,000	.....	5	100 00
Peru.....	6,633	1-3-22	.....	.....	70,000	.....	6	100 00
Peru.....	6,744	6-30-22	.....	.....	23,000	.....	5	100 00
Syracuse.....	6,319	9-28-22	.....	.....	3,000	.....	6	100 00
Van Buren.....		8-18-22	.....	.....		.....	6	100 00

(C) RECAPITULATION

Privately Owned Utilities—

Common stock	\$8,733,700
Preferred stock	17,025,900
Bonds	32,321,900
Notes	4,984,855

Total	\$63,066,355
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Municipally Owned Utilities—

Bonds	908,500
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Grand Total	\$63,974,855
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TABLE IV.

CASES PENDING BEFORE THE PUBLIC SERVICE COMMISSION—SEPTEMBER 30, 1922.

Docket No.	Parties to Case	Subject Matter
4860	Laporte Gas and Electric Company.....	Rates.
5311	Indianapolis Light and Heat Company.....	Rates.
5312	Merchants Heat and Light Company.....	Rates.
5398	Laporte Gas and Electric Company.....	Rates.
5399	Laporte Gas and Electric Company.....	Rates.
5564	Illinois Bell Telephone Company.....	Rates.
5565	Illinois Bell Telephone Company.....	Rates.
5566	Illinois Bell Telephone Company.....	Rates.
5655	Indiana Log Shippers Association v. B. and O. Railroad Company et al.....	Rates.
5678	Kingan and Company, Ltd.....	Rates.
5880	Ferdinand Electric Light and Power Co.....	Service.
5897	Wabash Valley Electric Company v. C. and E. I. Railroad Company and Thomas B. Heed, Receiver.....	Cease violation of Order No. 5457, reparation.
5993	Town of Paoli, Paoli Water and Light Company and South Central Service Co.....	Purchase and sale.
6038	Indiana Bell Telephone Company (Muncie).....	Rates.
6086	Sullivan Telephone Company and Glendora Coal Company	Contract.
6106	Link Belt Company et al. v. Merchants Heat and Light Company.....	Rate reduction and other relief.
6107	Electric Steel Company of Indiana et al. v. Indianapolis Light and Heat Company.....	Rate reduction and other relief.
6111	Indiana Bell Telephone Company (Anderson).....	Rates.
6113	Frank A. Linville et al. v. Indiana Bell Telephone Company (Fairland).....	Revision of rates and adequate service.
6173	Indiana Bell Telephone Company (South Bend) (Mishawaka).....	Rates.
6184	G. P. Moss et al. v. Pennsylvania Railroad Company....	Miners, train.
6322	Trustees of Greencastle, City and Township Schools....	Grade separation.
6325	Southern Indiana Telephone and Telegraph Company....	Rates.
6335	Ralph E. Smith et al. v. C. & E. I. Railroad Company....	Station facilities.
6345	Interstate Public Service Company.....	Valuation, rate increase.
6363	Indiana Bell Telephone Company (Frankfort).....	Rates.
6369	Laporte County Farm Bureau v. Laporte Telephone Company.....	Audit and investigation of rates.
6371	C. K. Ewing et al. v. C. C. C. & St. L. Railway and Union Traction Company.....	Crossing protection.
6392	Hammond, Whiting and East Chicago Railway Company v. City of East Chicago.....	Declare ordinance unreasonable.
6410	Interstate Public Service Company.....	Ordinance.
6413	Martinsville Gas and Electric Company.....	Appraisal.
6416	Indiana State Highway Commission v. Erie Railroad and Lincoln Highway.....	Grade separation.
6451	Clevenger Electric Company.....	Authority to operate public utility.
6452	H. S. Miller et al.....	Authority of second utility to operate.
6454	Kokomo Gas and Fuel Company.....	Bonds.
6464	T. H. I. & E. Traction Company v. C. C. C. & St. L. Railway Company et al.....	Reparation.
6466	Wm. E. Dee Clay Manufacturing Company and Wm. E. Dee Clay Works Company v. P. C. C. & St. L. Railway Company.....	Reparation.
6467	Dyer Packing Company v. B. & O. Railroad Company and P. C. C. & St. L. Railway Company.....	Reparation.
6469	Indiana Board and Filler Company v. B. & O. Railroad Company and P. C. C. & St. L. Railway Company....	Reparation.
6470	Loggootee Fire Clay Products Company v. B. & O. Railroad Company.....	Reparation.
6471	Huntingburg Pressed Brick Company v. Southern Railway Company.....	Reparation.
6472	Knott Manufacturing Company et al. v. Southern Railway Company.....	Reparation.
6477	McDougal Company v. B. & O. Railroad Company and C. I. & L. Railway Company.....	Reparation.
6478	Town of Brookville v. Brookville Electric Light Company	Acquire electric light utility.
6497	Benton Township, James A. Brown, Trustee et al. v. Wabash Railroad Company.....	Removal of obstructions from li
6514	W. R. Littell and Son et al. v. Town of Cambridge City..	Reduce rates for electricity.
6520	Columbian Enameling and Stamping Company et al. v. C. C. C. & St. L. Railway Company et al.....	Reparation.
6521	Root Glass Company v. C. & E. I. Railway Company et al.	Reparation.
6523	Thomas Z. Ball et al. v. Roachdale Electric Company....	Rates.
6524	North Baltimore Glass Company et al. v. C. C. C. & St. L. Railway Company.....	Reparation.
6528	Paul Kuhn and Company v. C. M. & St. P. Railway Company.....	Reparation.

IV. CASES PENDING BEFORE THE PUBLIC SERVICE COMMISSION—SEPTEMBER 30, 1922—Con.

Docket No.	Parties to Case	Subject Matter
6530	Charles B. Shannon, et al v. Roachdale Electric Company	Rates.
6547	Town of Cambridge City v. Hydro-Electric Light and Power Company	Rates.
6554	Studebaker Corporation v. E. J. & E. Railway Company	Reparation.
6578	National Drain Tile Company v. C. & E. I. Railroad and Wm. J. Jackson, Receiver	Reparation.
6579	Batesville Light and Power Company	Investigation of refusal to furnish current to certain consumers.
6585	Will Douglass et al v. Union City Electric Company	Rates.
6588	Sparks Milling Company v. C. C. C. & St. L. Railway Company	Reparation.
6589	Daugherty Coal Company v. C. C. C. & St. L. Railway Company	Reparation.
6590	J. W. Davis Company v. C. C. C. & St. L. Railway Company	Reparation.
6591	Hulman and Company v. C. C. C. & St. L. Railway Company	Reparation.
6592	M. C. Strole v. C. C. C. & St. L. Railway Company	Reparation.
6593	Irrington Coal and Lime Company v. C. T. H. & S. E. Railway Company	Reparation.
6596	American Hominy Company v. P. C. C. & St. L. Railway Company	Reparation.
6607	Kokomo Gas and Fuel Company	Rates.
6610	Fort Wayne Corrugated Paper Company v. P. C. C. & St. L. Railway Company and B. & O. Railroad Company	Reparation.
6613	Indianapolis Water Company	Valuation.
6615	Irrington Coal and Lime Company v. C. T. H. & S. E. Railway Company	Reparation.
6616	Irrington Coal and Lime Company v. P. C. C. & St. L. Railway Co. & C. C. C. & St. L. Railway Co.	Reparation.
6617	Irrington Coal and Lime Company v. P. C. C. & St. L. Railway Company and C. C. C. & St. L. Railway Company	Reparation.
6618	Davis Coal and Block Company v. C. I. & L. Railway Company and C. I. & W. Railway Company	Reparation.
6619	Davis Coal and Block Company v. I. C. Railroad Company and C. I. & W. Railway Company	Reparation.
6620	Davis Coal and Block Company v. C. & E. I. Railroad Company and Wm. J. Jackson, Receiver	Reparation.
6621	Davis Coal and Block Company v. C. I. & W. Railway Company, C. T. H. & S. E. Railway Company and C. M. & St. P. Railway Company	Reparation.
6625	Davis Coal and Block Company v. C. I. & L. Railway Company, P. C. C. & St. L. Railway Company and C. I. & W. Railway Company	Reparation.
6626	Davis Coal and Block Company v. P. C. C. & St. L. Railway Company and C. I. & W. Railway Company	Reparation.
6627	Irrington Coal and Lime Company v. C. C. C. & St. L. Railway Company and P. C. C. & St. L. Railway Company	Reparation.
6628	Irrington Coal and Lime Company v. C. C. C. & St. L. Railway Company and P. C. C. & St. L. Railway Company	Reparation.
6629	Irrington Coal and Lime Company v. Evansville and Indianapolis Railway Company	Reparation.
6636	Charles W. Heaton et al v. Monon Railroad Company	Grade separation.
6637	Town of Haubstadt and Ziliak and Schafer Milling Company	Appraisal of lighting system.
6638	Brownstown Water and Light Company	Rates.
6646	Indiana State Chamber of Commerce v. B. & O. Railroad Company	Rates.
6652	Miami Coal Company v. C. & E. I. Railroad Company and Wm. J. Jackson, Receiver	Rates.
6653	Daleville Telephone Company	Appraisal and valuation.
6666	Carrie L. Richman v. C. C. C. & St. L. Railway Company	Crossing protection.
6671	Zionsville Water and Electric Company	Re-appraisement of electric property.
6674	W. S. Templin et al v. Hydro-Electric Light and Power Company	Rates.
6676	Ripley Farmers Co-Operative Telephone Co.	Investigation of service.
6681	Indiana Bell Telephone Company (Vincennes)	Rates.
6682	Indiana Bell Telephone Company (Peru)	Rates.
6684	Robert J. Hillegas et al v. G. R. & I. Railroad Company	Separation of grades.
6691	Greater Martinsville Business Men's Association v. Martinsville Gas and Electric Company	Rates.
6692	Common Council of City of Covington and Rogers Park Company	Purchase current from former.

IV. CASES PENDING BEFORE THE PUBLIC SERVICE COMMISSION—September 30, 1922—Continued

Docket No.	Parties to Case	Subject Matter
6694	Hammond, Whiting and East Chicago Railway Company v. City of East Chicago	Ordinance.
6695	Klondike Telephone Company	Rates.
6696	T. H. I. & E. Traction Company	Certificate of convenience and necessity.
6697	Hammond, Whiting and East Chicago Railway Company v. City of East Chicago	Ordinance.
6698	Osgood Telephone Company	Rates.
6699	Indiana Bell Telephone Company (Crawfordsville)	Rates.
6700	Indiana Bell Telephone Company (Elwood)	Rates.
6705	Indiana Bell Telephone Company (Bedford)	Rates.
6706	Indiana Bell Telephone Company (Shelbyville)	Rates.
6707	Indiana Bell Telephone Company (Newcastle)	Rates.
6709	Town of Medora v. B. & O. Railroad Company	Highway crossing.
6718	Citizens Independent Telephone Company	Ordinance.
6720	Indiana Power Company	Rates.
6721	Calvert Metz et al. v. Public Service Telephone Company	Adequate service.
6722	Henry G. Chandler, Trustee, Steuben Township v. Wabash Railroad Company	Repair crossing.
6727	Amos Lumber Company et al v. B. & O. Railroad Company et al.	Rates.
6728	Indiana Bell Telephone Company (Kendallville)	Rates.
6729	Indiana Bell Telephone Company (Auburn)	Rates.
6730	Indiana Bell Telephone Company (Washington)	Rates.
6731	Town of Hagerstown v. Robert M. Cass	Cancellation of lease.
6736	Indiana Power Company v. P. C. C. & St. L. Railway Company	Reparation.
6737	New Salem Telephone Company	Rates.
6738	Joseph C. Buskirk et al. v. P. C. C. & St. L. Railway Company	Grade crossing.
6740	Gust Al Olson et al v. C. L. S. & S. B. Railway Company	Open public highway.
6745	Indiana Village for Epileptics v. C. I. & L. Railway Company and C. C. C. & St. L. Railway Company	Rates.
6748	Ripley Farmers Co-Operative Telephone Company	Change and location of management.
6749	Clyde A. Owens et al v. Spiceland Co-Operative Telephone Company	Service.
6752	Citizens Mutual Heating Company	Rates.
6755	Noblesville Heat, Light and Power Company	Stock.
6756	Farmers Mutual Electric Light and Power Association	Rates.
6757	City of North Vernon	Rates.
6758	City of Columbia City	Rates.
6759	Tipton Electric Light Company	Add surcharge to all classes of service.
6760	C. C. Thompson et al. v. Indiana Bell Telephone Company (Lynnville)	Service.
6761	Indiana Bell Telephone Company (Corydon)	Rates.
6766	Persons Coal Company v. B. & O. Railroad Company et al.	Rates.
6767	Wright and Wimmer v. Toledo, St. Louis and Western Railroad Company	Reparation.
6769	Oakland City Telephone Company	Rates.
6770	Town of Ferdinand	Bonds.
6773	James Hall et al. v. Newburg Light and Water Company	Rates.
6774	Mayer Grain Company v. Churubusco Water and Light Company	Service.
6775	Indiana and Michigan Electric Company v. Plymouth Electric Light and Power Company	Approval of contract.
6776	Louisville Cement Company v. P. C. C. & St. L. Railway Company	Reparation.
6780	Interstate Public Service Company	Stock.
6781	Indiana Railways and Light Company v. Vandalia Railroad Company	Reparation.
6782	R. B. Walters et al. v. C. & E. Railroad Company	Crossing protection.
6786	Daleville Telephone Company	Rates.
6787	Union Heat, Light and Power Company	Stock.
6788	Lehigh Portland Cement Company v. C. I. & L. Railway Company	Reparation.
6789	Valparaiso Lighting Company	Bonds.
6790	R. T. Kingman et al. v. New York Central Railroad Company and Monon Railroad Company	Station facilities.
6791	Inland Steel Company v. E. J. & E. Railroad Company and New York Central Railroad Company	Reparation.
6801	Interstate Traffic	Rates.
6814	Ferdinand Municipal Electric Plant	Rates.

TABLE V.
APPRAISALS OF PUBLIC UTILITY PROPERTY BY THE ENGINEERING DEPARTMENT DURING
FISCAL YEAR ENDING SEPTEMBER 30, 1922

<i>Electric</i>			
NAME OF UTILITY	Location	Date of Appraisal	Cost of Reproduction New as Found by Engineering Department
Bryant Electric Company	Bryant	Oct. 1, 1921	\$14,952
*Northern Indiana Gas and Electric Company	Lafayette	Sept. 1, 1921	997,172
South Central Service Company	Mitchell	Dec. 1, 1921	55,927
South Central Service Company	Transmission	Dec. 1, 1921	36,793
South Central Service Company	Lawrenceport	Dec. 1, 1921	1,813
South Central Service Company	River Vale	Dec. 1, 1921	1,421
South Central Service Company	Orleans	Dec. 1, 1921	2,520
South Central Service Company	Tunnelton	Dec. 1, 1921	5,279
Pierceton Light and Water Company	Pierceton	Jan. 1, 1922	27,248
Claypool Electric Light Company	Claypool	Mar. 1, 1922	13,318
Martinsville Gas and Electric Company	Martinsville	Feb. 1, 1922	147,811
Zealek & Schafer Milling Company	Haubstadt	June 1, 1922	5,252
Lagrange Light and Power	Lagrange	May 1, 1922	77,604
Lagrange Light and Power	Rome City (Resort)	May 1, 1922	6,164
Lagrange Light and Power	Rome City	May 1, 1922	4,396
Lagrange Light and Power	Woleottville	May 1, 1922	15,379
Lagrange Light and Power	Transmission	May 1, 1922	28,759
Roachdale Electric Company	Roachdale, etc.	Sept. 1, 1922	138,068
Total			\$1,579,872
<i>Electric Railway</i>			
Indianapolis Street Railway Company	Indianapolis	April 1, 1922	\$1,297,183
(West Washington Street Power House only)			
Total			\$1,297,183
<i>Gas—Artificial</i>			
Citizens Gas and Fuel Company	Terre Haute	Oct. 1, 1921	\$1,504,617
Interstate Public Service Company	Greenfield	Oct. 1, 1921	180,153
Kokomo Gas and Fuel Company	Kokomo	Dec. 1, 1921	210,810
*Northern Ind. Gas and Electric Company	Lafayette	Sept. 1, 1921	813,459
Total			\$2,709,039
<i>Heating</i>			
*Northern Indiana Gas and Electric Company	Lafayette	Sept. 1, 1921	\$170,341
Total			\$170,341
<i>Telephone</i>			
Citizens Telephone Company	Dunkirk	Oct. 1, 1921	\$52,430
Park County Telephone Company	Rockville	Oct. 1, 1921	82,353
Park County Telephone Company	Rosedale	Oct. 1, 1921	7,352
Park County Telephone Company	Montezuma	Oct. 1, 1921	15,672
Park County Telephone Company	Mecca	Oct. 1, 1921	11,969
Fall Creek Telephone Company	Ingalls	Oct. 1, 1921	2,032
Citizens Telephone Company	Columbus	Jan. 1, 1922	160,460
Indiana Bell Telephone Company	Indianapolis	Jan. 1, 1922	10,805,570
Indiana Bell Telephone Company	Anderson	Jan. 1, 1922	493,300
Indiana Bell Telephone Company	Frankfort	Jan. 1, 1922	316,940
Indiana Bell Telephone Company	South Bend	Jan. 1, 1922	1,836,007
Indiana Bell Telephone Company	Mishawaka	Jan. 1, 1922	440,976
Indiana Bell Telephone Company	Oakland City	April 1, 1922	15,619
Princeton Telephone Company	Fort Branch	April 1, 1922	7,527
Oakland City Telephone Company	Oakland City	April 1, 1922	24,819
Indiana Bell Telephone Company	Patoka	April 1, 1922	7,439

*Not included in Report for 1921.

TABLE V. APPRAISALS OF PUBLIC UTILITY PROPERTY—Continued.

Telephone—Continued.

NAME OF UTILITY	Location	Date of Appraisal	Cost of Reproduction New as Found by Engineering Department
Indiana Bell Telephone Company	Princeton	April 1, 1922	\$56,796
Princeton Telephone Company	Princeton	April 1, 1922	117,006
Osgood Telephone Company	Osgood, Milan and Pierceville	Aug. 1, 1922	14,000
Home Telephone and Telegraph Company	Fort Wayne	Mar. 1, 1922	1,837,559
Home Telephone and Telegraph Company	New Haven	Mar. 1, 1922	42,429
Daleville Telephone Company	Daleville	Aug. 1, 1922	23,073
Indiana Bell Telephone Company	Anderson	June 1, 1922	501,544
Indiana Bell Telephone Company	Frankfort	June 1, 1922	335,308
Indiana Bell Telephone Company	Peru	June 1, 1922	348,508
Indiana Bell Telephone Company	Vincennes	June 1, 1922	344,348
Indiana Bell Telephone Company	Crawfordsville	June 1, 1922	357,185
Indiana Bell Telephone Company	Kendallville	July 1, 1922	129,247
Indiana Bell Telephone Company	Shelbyville	July 1, 1922	188,729
Indiana Bell Telephone Company	Auburn	July 1, 1922	135,418
Total			\$18,711,615

Water

Madison Water Works (Mun.)	Madison	Oct. 1, 1921	\$114,104
Madison Water Works (Priv.)	Madison	Oct. 1, 1921	28,345
North Vernon Water Works	North Vernon	Oct. 1, 1921	78,601
Edinburg Water Works	Edinburg	Oct. 1, 1921	34,910
Connersville Water Works	Connersville	Oct. 1, 1921	223,860
Rushville Water Works	Rushville	Oct. 1, 1921	171,851
North Manchester Water Works	North Manchester	Oct. 1, 1921	79,706
Peru Water Works	Peru	Oct. 1, 1921	300,069
Greenfield Water Works	Greenfield	Nov. 1, 1921	99,378
Lewisville Water Works	Lewisville	Nov. 1, 1921	13,415
Knightstown Water Works	Knightstown	Nov. 1, 1921	67,714
Rockville Water Works	Rockville	Nov. 1, 1921	61,558
West Terre Haute Water Works	West Terre Haute	Nov. 1, 1921	40,347
Clinton Water Works	Clinton	Nov. 1, 1921	113,752
Plainfield Municipal Water Works	Plainfield	Nov. 1, 1921	31,629
Cannelton Water Works	Cannelton	Nov. 1, 1921	28,179
Tell City Water Works	Tell City	Nov. 1, 1921	68,242
Jasper Water Works	Jasper	Nov. 1, 1921	49,725
Monticello Water Works	Monticello	Nov. 1, 1921	64,019
Rensselaer Water Works	Rensselaer	Nov. 1, 1921	87,606
Martinsville Water Works	Martinsville	Nov. 1, 1921	104,438
Bloomington Water Works	Bloomington	Nov. 1, 1921	269,638
Town of Redkey	Redkey	Dec. 1, 1921	27,638
Lebanon Water Works	Lebanon	Dec. 1, 1921	182,631
Thorntown Water Works	Thorntown	Dec. 1, 1921	24,793
Ladoga Water Works	Ladoga	Dec. 1, 1921	21,207
Danville Water Works	Danville	Jan. 1, 1922	38,238
New Palestine Water Works	New Palestine	Jan. 1, 1922	2,605
Citizens Heat, Light and Power Company	Winchester	Jan. 1, 1922	79,882
Union City Water Works	Union City, Ind.	Jan. 1, 1922	119,286
Union City Water Works	Union City, Ohio	Jan. 1, 1922	18,871
Middletown Water Works	Middletown	Jan. 1, 1922	35,021
Shirley Water Works	Shirley	Jan. 1, 1922	16,588
Veedsburg Water Works	Veedsburg	Jan. 1, 1922	20,089
Piercetown Light and Water Company	Piercetown	Jan. 1, 1922	28,906
Kentland Water Works	Kentland	Jan. 1, 1922	45,907
Remington Water Works	Remington	Jan. 1, 1922	37,107
Goodland Water Works	Goodland	Jan. 1, 1922	29,376
Portland Water Works	Portland	Jan. 1, 1922	91,823
Otterbein Water Works	Otterbein	Feb. 1, 1922	17,683
Oxford Water Works	Oxford	Feb. 1, 1922	30,591
Darlington Water Works	Darlington	Feb. 1, 1922	13,428
Covington Water Works	Covington	Jan. 1, 1922	46,657
Williamsport Water Works	Williamsport	Jan. 1, 1922	34,214
Culver Water Works Company	Culver	Mar. 1, 1922	22,764
Kewanna Water Works	Kewanna	Mar. 1, 1922	23,901
Plymouth Water Works	Plymouth	Mar. 1, 1922	108,003
A. H. Gipson	Kirklin	Mar. 1, 1922	325
R. C. Gorham	Kirklin	Mar. 1, 1922	530
Indiana Power Company	Worthington	Mar. 1, 1922	36,459

V. APPRAISALS OF PUBLIC UTILITY PROPERTY—Cont nued.

Water—Continued.

NAME OF UTILITY	Location	Date of Appraisal	Cost of Reproduction New as Found by Engineering Department
Parker City Water Works.....	Parker City.....	Mar. 1, 1922	6,522
Lawrenceburg Water Co.....	Lawrenceburg.....	Mar. 1, 1922	2,074
Lawrenceburg Municipal Water Works.....	Lawrenceburg.....	Mar. 1, 1922	14,713
Newtown Water Company.....	Lawrenceburg.....	Mar. 1, 1922	11,808
A. D. Cook, Inc.....	Greendale.....	Mar. 1, 1922	25,159
Rising Sun Water and Light Company.....	Rising Sun.....	Mar. 1, 1922	28,564
Vevay Water Works.....	Vevay.....	Mar. 1, 1922	33,432
Royal Centre Water Works.....	Royal Centre.....	April 1, 1922	24,725
Winamac Mun. Light and Water Works.....	Winamac.....	April 1, 1922	36,248
Hebron Water Company.....	Hebron.....	April 1, 1922	25,234
New Haven Water Works.....	New Haven.....	April 1, 1922	18,785
Albion Water and Light Department.....	Albion.....	April 1, 1922	24,617
Avilla Water Works.....	Avilla.....	April 1, 1922	14,225
Cromwell Water Works.....	Cromwell.....	April 1, 1922	10,565
Mentone Water Works.....	Mentone.....	April 1, 1922	12,016
Milford Junction Water Department.....	Milford Junction.....	April 1, 1922	23,891
Etna Green Water Works.....	Etna Green.....	April 1, 1922	7,945
Argos Water Works.....	Argos.....	April 1, 1922	20,521
Roann Water and Light Company.....	Roann.....	April 1, 1922	13,649
Akron Water Works.....	Akron.....	April 1, 1922	32,599
Andrews Water Works.....	Andrews.....	April 1, 1922	18,337
Syracuse Water Company.....	Syracuse.....	May 1, 1922	17,891
Indianapolis Water Company.....	Indianapolis.....	April 1, 1922	14,813,749
Bremen Water Company.....	Bremen.....	May 1, 1922	41,934
Nappanee Utilities Company.....	Nappanee.....	May 1, 1922	53,479
Dyer Water Works.....	Dyer.....	May 1, 1922	16,106
Lowell Water Works.....	Lowell.....	May 1, 1922	22,667
Schererville Water Works.....	Schererville.....	May 1, 1922	21,678
Crown Point Water Works.....	Crown Point.....	May 1, 1922	63,650
North Liberty Water Works.....	North Liberty.....	May 1, 1922	17,952
Knox Water Works.....	Knox.....	May 1, 1922	37,956
Walkerton Water Works.....	Walkerton.....	May 1, 1922	20,991
Home Water Company.....	Chesterton and Porter.....	May 1, 1922	57,794
Hobart Water Works.....	Hobart.....	May 1, 1922	26,450
Valparaiso Home Water Company.....	Valparaiso.....	May 1, 1922	257,366
Total.....			\$19,160,901

RECAPITULATION OF APPRAISAL WORK DONE BY ENGINEERING DEPARTMENT

KIND OF UTILITY	Total for Period May 1, 1913 to Sept. 30, 1917,	Total for Period Oct. 1, 1917 to Sept. 30, 1918	Total for Period Oct. 1, 1918 to Sept. 30, 1919	Total for Period Oct. 1, 1919 to Sept. 30, 1920	Total for Period Oct. 1, 1920 to Sept. 30, 1921	Total for Period Oct. 1, 1921 to Sept. 30, 1922	Grand Total
Electric.....	\$22,136,906	\$8,201,015	\$3,449,312	\$9,445,769	\$6,591,265	\$1,579,872	\$51,404,139
Electric Railway.....		38,369,422	5,202,593	10,626,248	2,677,529	1,297,183	58,172,975
Gas.....	10,900,273	3,676,286	1,132,595	12,031,135	17,664,853	2,709,039	48,114,181
Heating.....	1,692,509	1,071,973	1,597,530	722,103	583,936	170,341	5,838,392
Telephone.....	7,036,157	2,210,235	10,787,300	22,111,917	1,495,541	18,711,615	62,352,765
Water.....	12,906,687	2,475,769	3,344,641	6,951,167	10,147,090	19,160,901	54,986,255
Total.....	\$54,672,532	\$56,004,700	\$25,513,971	\$61,888,339	\$39,160,214	\$43,628,951	\$280,868,707

TABLE VI

ACCIDENTS AND CASUALTIES ON STEAM AND ELECTRIC RAILROADS IN INDIANA

A. Steam Railroads—Classified

(1) Passengers

	Year Ending Sept. 30, 1919	Year Ending Sept. 30, 1920	Year Ending Sept. 30, 1921	Year Ending Sept. 30, 1922
<i>a. Location—</i>				
On passenger train.....	89	93	196	69
On freight train.....	2	0	4	0
On station ground.....	12	16	9	4
Totals.....	103	109	209	73
<i>b. Causes—</i>				
Collision.....	16	18	110	17
Derailment.....	29	3	34	15
Getting on and off moving trains.....	14	20	15	13
Getting on and off after stop is made.....	8	20	11	6
Defective and unlighted station platforms.....	0	0	0	0
Miscellaneous.....	36	48	39	22
Totals.....	103	109	209	73
<i>c. Results—</i>				
Deaths.....	6	9	37	0
Loss of limb.....	4	1	1	0
Loss of finger or toe.....	1	1	2	0
Spinal injuries.....	1	1	0	1
Fracture or dislocation.....	14	7	9	8
Sprain.....	13	18	20	14
Cuts and bruises.....	64	72	130	45
Miscellaneous.....			10	5
Totals.....	103	109	209	73

(2) Travelers on Highways

<i>a. Location—</i>				
In vehicles.....	306	375	346	406
On foot.....	30	25	26	18
Totals.....	336	400	372	424
<i>b. Causes—</i>				
Struck on crossing.....	323	391	362	412
Teams frightened.....	1	1		0
Defective crossings.....				0
Miscellaneous.....	12	8	10	12
Totals.....	336	400	372	424
<i>c. Results—</i>				
Deaths.....	122	152	112	112
Loss of limb.....	4	5	0	2
Loss of finger or toe.....	1	1	1	1
Spinal injuries.....			1	0
Fracture or dislocation.....	29	60	49	58
Sprains.....	21	20	16	22
Cuts and bruises.....	147	159	182	211
Miscellaneous.....	12	3	11	18
Totals.....	336	400	372	424

VI. ACCIDENTS AND CASUALTIES—Continued

(3) *Employees*

	Year Ending Sept. 30, 1919	Year Ending Sept. 30, 1920	Year Ending Sept. 30, 1921	Year Ending Sept. 30, 1922
<i>a. Employment—</i>				
Conductors.....	79	126	102	101
Enginemen.....	85	113	86	88
Firemen.....	152	215	175	138
Brakemen (road and yard).....	544	671	505	452
Mechanics.....	18	24	5	4
Laborers.....	153	158	122	71
Miscellaneous.....	39	33	23	77
Totals.....	1,070	1,340	1,016	931
<i>b. Causes—</i>				
Coupling and uncoupling.....	47	58	51	29
Collisions.....	63	85	62	42
Derailments.....	36	45	38	33
Getting on and off trains.....	121	154	118	93
Caught in frogs and switches.....	1		1	1
Use of tools and machinery.....	56	61	71	39
Defective tools and appliances.....	41	48	25	40
Struck by passing trains.....	49	54	28	36
Overhead obstruction.....	6	12	5	2
Side obstruction.....	39	57	26	42
Fell from car.....	100	125	97	94
Miscellaneous.....	511	641	494	480
Totals.....	1,070	1,340	1,016	931
<i>c. Results—</i>				
Deaths.....	58	62	45	39
Loss of limb.....	10	16	13	9
Loss of finger or toe.....	10	14	12	8
Spinal injuries.....	1	9	8	1
Fracture or dislocation.....	104	136	98	104
Sprain.....	257	366	304	282
Cuts and bruises.....	560	676	484	424
Scalds and burns.....	30	44	36	36
Miscellaneous.....	40	17	24	28
Totals.....	1,070	1,340	1,016	931

(4) *Tresspassers*

<i>a. Location—</i>				
On track.....	76	77	85	70
On train.....	28	21	66	22
Miscellaneous.....	1	11	0	23
Totals.....	105	109	151	115
<i>b. Results—</i>				
Deaths.....	54	59	81	54
Loss of limb.....	10	11	11	14
Loss of finger or toe.....			2	5
Spinal injuries.....			0	1
Fracture or dislocation.....	13	7	14	7
Sprains.....	3	2	9	3
Cuts and bruises.....	25	30	34	28
Miscellaneous.....				3
Totals.....	105	109	151	115

(5) *Licenseses*

<i>a. Location—</i>				
On passenger trains.....	8	5	4	9
On freight trains.....	8	7	3	5
On station grounds, etc.....	13	23	20	14
Totals.....	29	35	27	28

VI. ACCIDENTS AND CASUALTIES—Continued

	Year Ending Sept. 30, 1919	Year Ending Sept. 30, 1920	Year Ending Sept. 30, 1921	Year Ending Sept. 30, 1922
<i>b. Causes—</i>				
Collisions.....	7	2	2	1
Derailment.....	3	2	0	0
Miscellaneous.....	19	31	25	27
Totals.....	29	35	27	28
<i>c. Results—</i>				
Deaths.....	4	5	2	4
Loss of limb.....	1		0	2
Loss of finger or toe.....	1	1	0	1
Sprains.....	5	16	6	3
Cuts and bruises.....	15	9	11	15
Fractures or dislocation.....	3	4	8	3
Totals.....	29	35	27	28

B. Total Casualties on All Steam Railroads

<i>(1) Deaths—</i>				
Passengers.....	6	9	37	0
Travelers on highway.....	122	152	112	112
Employees.....	58	62	45	39
Trespassers.....	54	59	87	54
Licenseses.....	4	5	2	4
Totals.....	244	287	277	209
<i>(2) Injuries—</i>				
Passengers.....	97	100	172	73
Travelers on highway.....	214	248	260	312
Employees.....	1,012	1,278	971	892
Trespassers.....	51	50	70	64
Licenseses.....	35	25	25	24
Total.....	1,399	1,701	1,498	1,365

C. Total Casualties on All Electric Railroads

<i>(1) Deaths—</i>				
Passengers.....	9	6	3	0
Travelers on highway.....	41	54	68	36
Employees.....	8	2	6	5
Trespassers.....	7	10	9	2
Licenseses.....			1	0
Totals.....	65	72	87	43
<i>(2) Injuries—</i>				
Passengers.....	21	53	21	7
Travelers on highway.....	32	19	28	22
Employees.....	13	8	8	24
Trespassers.....	3	1	2	1
Licenseses.....	1		1	0
Totals.....	70	81	61	54

D. Total Casualties on All Steam and Electric Railroads

<i>(1) Deaths—</i>				
Steam roads.....	244	287	277	209
Electric roads.....	65	72	87	43
Totals.....	309	359	364	252
<i>(2) Injuries—</i>				
Steam roads.....	1,399	1,701	1,498	1,365
Electric.....	70	81	61	54
Totals.....	1,469	1,782	1,559	1,419
Grand totals.....	1,778	2,141	1,923	1,671

TABLE

OPERATING STATISTICS OF ELECTRIC RAIL

NAME OF RAILWAY	Trans- portation	Other Railway Operations	Total
Beech Grove Traction Company	\$44,210 77	\$135 00	\$44,345 77
Chicago, South Bend and Northern Indiana Railway Company	1,216,040 62	33,308 83	1,249,349 45
Central Indiana Lighting Company	Sold to Interstate Public Service Company.		
Chicago, Lake Shore and South Bend Railway Company	778,245 09	30,505 98	808,751 07
Cincinnati, Lawrenceburg and Aurora Electric Street Railway Company	180,193 09	706 98	180,900 07
Evansville, Suburban and Newburgh Railway Company	252,686 28	10,677 55	263,363 83
Evansville and Ohio Valley Railway Company	438,315 58	9,458 55	447,774 13
Ft. Wayne and Decatur Traction Company	81,944 40	1,228 63	83,173 03
Ft. Wayne and Northwestern Railway Company	283,980 60	15,875 63	299,856 23
Ft. Wayne and Northern Indiana Traction Company			
French Lick and West Baden Railway Company			
Gary and Southern Traction Company	63,740 47	523 77	64,264 24
Gary and Hobart Traction Company	49,143 55	125 75	49,269 30
Gary and Valparaiso Railway	127,465 46	3,091 87	130,557 33
Gary Street Railway Company	726,655 36	28,532 54	755,187 90
Hammond, Whiting and East Chicago Railway Company	577,152 77	1,221 59	578,374 36
Indianapolis and Cincinnati Traction Company	674,748 13	14,239 18	688,987 31
Indianapolis and Louisville Traction Railway Company			
Indianapolis Street Railway Company	4,696,646 41	535,208 17	5,231,854 58
Indiana Railways and Light Company	419,337 94	3,254 61	422,592 55
Indiana Utilities Company			
Interstate Public Service Company			
Lebanon, Thorntown Traction Company	14,782 92	100 00	14,882 92
Louisville and Northern Railway and Lighting Company	Sold to Interstate Public Service Company.		
Louisville and Southern Indiana Traction Company	Sold to Interstate Public Service Company.		
Marion, Bluffton Traction Company	104,864 79	1,534 22	106,399 01
Madison Light and Railway Company			
Ohio Electric Railway Company			
Public Utilities Company			
Southern Michigan Railway Company	289,254 67	3,221 71	292,476 38
Terre Haute, Indianapolis and Eastern Traction Company	4,001,999 86	97,361 08	4,099,360 94
Union Traction Company	3,595,380 14	115,225 56	3,710,605 70
Vincennes Traction Company	82,977 15	691 48	83,668 63
Washington Street Railway	17,481 10	185 79	17,666 89
Winona Interurban Railway Company	297,872 99	12,436 40	310,309 39
Southern Indiana Gas and Electric Company	890,064 10	21,247 27	911,311 37
Totals	\$19,905,184 24	\$940,098 14	\$20,845,282 38

*Indicate Deficit.

VII.

ROADS FOR THE CALENDAR YEAR 1921.

Power	Equipment	Way and Structures	Conducting Transportation and Traffic	General and Miscellaneous	Taxes	Total (Including Taxes)	Net Operating Revenue (Deducting Taxes)
\$4,727 33	\$2,965 85	\$2,398 88	\$12,647 67	\$21,959 80		\$44,699 53	*\$353 76
164,263 54	142,645 78	139,658 63	375,616 03	76,854 02	\$62,075 71	961,113 71	288,235 74
130,161 75	161,783 21	108,963 94	265,014 03	90,715 77	66,000 00	822,638 70	*13,887 63
16,085 20	11,496 67	30,392 13	60,693 98	19,030 29	12,062 69	149,760 96	31,139 11
19,800 41	47,669 35	43,361 52	84,106 96	22,620 80	14,596 62	232,155 66	31,208 17
50,272 11	51,496 25	79,118 32	108,910 86	63,392 36	16,326 88	372,516 78	75,257 35
14,933 33	3,850 65	24,543 81	18,037 15	15,755 77	4,479 98	81,600 69	1,572 34
64,023 03	11,834 44	38,625 42	52,273 83	38,222 87	16,059 55	221,039 14	78,817 09
12,368 99	8,169 79	15,299 37	21,319 29	6,555 66		63,713 10	551.14
6,859 50	6,924 21	7,726 29	12,752 61	11,540 67	2,725 17	48,528 45	740 85
28,365 81	8,766 02	8,206 69	38,342 93	15,848 45	7,615 10	107,145 00	23,412 33
124,125 58	69,563 80	20,765 84	252,827 03	106,839 62	27,900 82	602,022 69	153,165 21
54,138 17	67,153 76	72,089 55	211,806 76	59,667 04	36,341 98	501,197 26	77,177 10
164,611 25	84,494 64	96,116 98	118,970 61	87,671 98	33,757 88	585,623 34	103,363 97
970,206 82	463,113 22	567,039 41	1,553,253 87	408,830 19	433,187 88	4,395,631 39	836,223 19
47,522 33	43,804 66	35,128 84	107,637 39	41,740 75		275,833 67	146,758 88
1,563 44	1,118 77	4,086 06	5,691 75	303 53	720 00	13,465 55	1,417 37
19,017 52	5,676 62	24,648 76	24,746 34	8,788 84	10,310 61	93,188 69	13,210 32
39,194 12	27,784 26	34,606 56	53,115 08	40,475 82	21,880 20	217,056 04	75,420 34
638,500 16	357,875 88	764,166 63	944,941 84	470,646 25	302,609 58	3,478,740 34	620,620 60
574,196 16	334,274 06	462,897 56	771,546 85	389,026 84	240,000 00	2,771,941 47	938,664 23
9,171 62	5,868 23	7,413 10	18,548 59	13,438 76		54,440 30	29,228 33
2,243 16	4,020 95	1,927 28	8,033 60	1,309 88	1,130 13	18,665 00	*998 11
80,024 34	24,633 57	56,206 58	84,307 20	28,686 36	16,696 79	290,554 84	19,754 55
69,616 77	63,887 20	124,343 50	279,024 89	85,630 46	61,716 38	684,219 20	227,092 17
\$3,305,992.44	\$2,013,871.84	\$2,769,713.35	\$5,484,167.14	\$2,125,552.78	\$1,388,193.95	\$17,087,491.50	\$3,757,794.88

TABLE

OPERATING STATISTICS OF STEAM RAILROADS

NAME OF RAILROAD	Average Mileage of Road Operated		Operating
	Entire Line	State of Indiana	Entire Line
Baltimore and Ohio R. R.	5,187.18	388.17	\$198,622,372 81
Central Indiana Railway Company	127.12	127.12	273,241 66
Chesapeake and Ohio Railroad Company of Indiana	284.59	230.23	5,285,033 54
Chicago and Erie Railroad Company	269.56	160.17	10,703,590 92
Chicago, Indianapolis and Louisville R. R.	656.39	630.31	15,162,870 00
Chicago and Eastern Illinois R. R.	1,130.81	437.76	27,099,146 15
Chicago, Terre Haute and Southeastern R. R.	373.88	Leased to	C. M. and St. Paul
Cincinnati, Indianapolis and Western R. R.	308.81	156.18	3,716,572 34
Cleveland, Cincinnati, Chicago and St. Louis Railway Company	2,415.12	964.72	79,793,593 13
Elgin, Joliet and Eastern R. R.	456.59	101.07	19,334,942 46
Evansville and Indianapolis R. R.	140.38	140.38	1,437,690 40
Ferdinand Railroad Company	7.38	7.38	20,338 12
Grand Rapids and Indiana R. R.	575.48	146.37	8,504,187 72
Grand Trunk Western Railway Company	347.36	80.67	13,954,332 51
Illinois Central R. R.	4,799.37	186.85	141,127,065 71
Lake Erie and Western R. R.	725.69	451.54	9,061,494 33
Louisville and Nashville R. R.	5,041.49	38.25	117,138,366 64
Louisville, New Albany and Corydon R. R. Co.	7.70	7.70	24,244 93
Michigan Central Railroad	1,862.02	79.88	72,911,852 36
New Jersey, Indiana and Illinois R. R. Co.	11.32	11.32	273,685 24
New York Central R. R.	6,098.20	461.14	322,819,568 75
New York, Chicago and St. Louis R. R.	523.22	151.02	27,030,663 44
Pennsylvania R. R. Co. (Western Lines)	7,314.51	161.01	500,175,083 80
Pere Marquette R. R.	2,231.12	79.24	38,303,029 43
Pittsburgh, Cincinnati, Chicago and St. Louis R. R.	2,435.88	1,245.20	96,717,042 64
Southern Railway Company	6,971.08	239.90	128,715,150 01
Toledo, St. Louis and Western R. R.	454.17	171.07	9,503,969 86
Wabash R. R.	2,472.96	357.46	59,217,691 80
Chicago, Milwaukee and St. Paul Railway Company	10,808.63	246.56	146,765,766 04
Totals			\$2,053,692,586 74
SWITCHING			
Elwood, Anderson and Lapelle R. R. Co.			\$19,302 08
Indiana Harbor Belt R. R.			9,034,537 67
Indianapolis Union Railway Co.	76.12	76.12	
Muncie Belt Railroad			19,250 00
Muncie and Western R. R. Co.			
Total			\$9,073,089 75

*Indicates Deficit.

VIII.

FOR THE CALENDAR YEAR 1921

Revenues	Operating Expenses		Net Operating Revenues		Per cent of Mileage in Indiana	Per cent of Revenues Assigned to Indiana	Per cent of Expenses Assigned to Indiana
State of Indiana	Entire Line	State of Indiana	Entire Line	State of Indiana			
\$13,286,527 06	\$166,457,024 47	\$10,573,142 42	\$32,165,348 34	\$2,713,384 64	7.490	6.690	6.35
273,241 66	458,018 99	458,018 99	*184,777 33	*184,777 33	100.000	100.000	100.000
4,460,368 70	5,515,584 59	4,052,378 29	*230,551 05	407,990 41	80.900	84.396	73.470
6,359,966 69	10,263,947 54	6,098,734 99	439,643 38	261,231 70	59.420	59.420	59.420
14,390,702 86	12,181,950 12	11,483,924 36	2,980,919 88	2,906,778 50	96.020	94.907	94.270
7,314,795 16	23,944,404 70	6,320,160 40	3,154,741 45	994,634 76	38.710	26.992	26.395
Railway Company July 1, 1921.							
1,927,960 38	4,148,135 97	2,159,309 27	*431,563 63	*231,348 89	50.580	51.874	52.055
31,869,608 28	64,406,122 34	25,723,843 48	15,387,470 79	6,145,764 80	39.940	39.940	39.940
7,616,863 65	13,613,039 50	4,504,732 07	5,721,902 96	3,112,131 58	22.140	39.390	33.090
1,437,690 40	1,435,134 57	1,435,134 57	2,555 83	2,555 83	100.000	100.000	100.000
20,338 12	17,424 00	17,424 00	2,914 12	2,914 12	100.000	100.000	100.000
2,681,481 63	8,582,421 50	2,649,549 56	*78,233 78	31,932 07	25.430	31.530	30.870
3,607,009 25	14,027,046 91	2,749,186 97	*72,714 40	857,822 28	23.220	25.848	19.599
2,222,287 00	109,997,791 08	2,316,887 02	31,129,274 63	*94,600 02	3.893	1.574	2.106
5,772,171 87	8,137,733 68	5,183,736 34	923,760 65	588,435 53	62.220	63.700	63.700
1,386,599 16	108,667,623 11	1,719,582 68	8,470,738 53	*332,983 52	.759	1.183	1.580
24,244 93	19,807 61	19,807 61	4,437 32	4,437 32	100.000	100.000	100.000
5,360,965 65	52,551,944 57	4,031,914 81	20,359,907 79	1,329,050 84	4.290	7.352	7.672
273,685 24	168,854 12	168,854 12	104,831 12	104,831 12	100.000	100.000	100.000
23,124,388 24	248,296,701 08	17,786,125 82	74,522,867 67	5,338,262 42	7.570	7.163	7.163
5,412,056 33	20,613,593 97	4,127,253 79	6,417,069 47	1,284,802 54	28.880	20.02	26.250
15,204,622 90	430,758,628 65	16,515,402 58	69,416,455 15	*1,310,780 58	2.200	3.039	3.830
1,760,564 66	30,036,300 21	955,697 27	8,266,729 22	804,867 39	3.550	4.596	3.181
52,104,661 79	91,304,583 14	49,552,878 41	5,412,459 50	2,551,783 38	51.120	53.873	54.272
3,764,011 97	105,823,008 96	4,067,032 22	22,886,143 05	*303,020 25	3.440	2.924	3.843
3,966,990 56	7,319,062 35	3,054,998 59	2,184,907 51	911,991 97	37.660	41.74	41.740
10,268,434 72	50,506,168 81	6,882,518 06	8,711,522 99	3,385,916 66	14.450	17.340	13.627
1,563,241 56	127,957,001 87	1,524,349 11	18,808,764 17	38,892 45	2.280	1.065	1.191
\$227,455,479 52	\$1,717,215,061 41	\$196,132,577 80	\$336,477,525 33	\$31,322,901 72	.....	.....	.....
\$19,302 08	\$22,834 44	\$22,834 44	*\$3,532 36	*\$3,532 36	.....	100.000	100.000
.....	5,981,053 24	.....	3,053,485 43	.....	.....	.....	.....
.....
19,250 00	18,430 06	18,430 06	819 94	819 94	.....	100.000	100.000
\$38,552 08	\$6,022,316 74	\$41,264 50	\$3,050,773 01	\$2,712 42	.....	.....	.....

TABLE
OPERATING STATISTICS OF PUBLIC
1. CLASS "A"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial	Municipal	Other Public Utilities and Miscellaneous	Total
(MUNICIPALLY OWNED)					
Anderson.....	Municipal Light and Power Plant.....	\$388,585 03	\$15,000 00	\$623 85	\$404,208 88
Ft. Wayne.....	Municipal Light Plant.....	374,051 46	110,777 16	10,557 14	495,385 76
Huntington.....	Municipal Electric Light Plant.....				
Logansport.....	Municipal Electric Light Plant.....	290,643 05	27,647 20	695 94	318,986 19
Marion.....	Municipal Electric Light Plant.....				
Mishawaka.....	Municipal Electric Light Plant.....	112,921 16	5,984 57		118,905 73
Peru.....	Municipal Electric Lt. and Pr. Plant.....	130,353 32	28,291 03	7,451 84	166,096 19
Richmond.....	Municipal Electric Lt. and Pr. Plant.....	418,685 41	27,307 81	33,243 38	479,236 60
(PRIVATELY OWNED)					
Aurora.....	Indiana Public Service Company.....				
Whiting.....	Northern Indiana Gas & Electric Co.....	See Hammond.			
Hammond.....	Northern Indiana Gas & Electric Co.....	1,303,200 02	122,582 74	33,992 40	1,459,775 16
Lafayette.....	Northern Indiana Gas & Electric Co.....	415,626 94	21,200 43	4,248 89	441,076 26
Michigan City.....	Northern Indiana Gas & Electric Co.....	183,629 34	124,545 22	43,611 06	351,785 62
East Chicago.....	Northern Indiana Gas & Electric Co.....	See Hammond.			
Elkhart.....	Indiana and Michigan Electric Co.....	See combined report South Bend.			
Mishawaka.....	Indiana and Michigan Electric Co.....	See combined report South Bend.			
South Bend.....	Indiana and Michigan Electric Co.....	1,766,865 53	109,219 29	470,744 98	2,346,928 80
Elwood.....	Indiana General Service Co.....	See combined report Muncie.			
Marion.....	Indiana General Service Co.....	See combined report Muncie.			
Muncie.....	Indiana General Service Co.....	1,536,582 33	76,874 38	104,509 97	1,717,966 68
Evansville.....	Southern Indiana Gas & Electric Co.....	655,088 14	50,973 24	58,886 93	764,948 31
Ft. Wayne.....	Indiana Service Corporation.....	860,130 63	13,718 20	20,486 72	894,335 55
Gary.....	Calumet Electric Co.....	8,212 51	2,230 05	164,853 91	175,296 47
Gary.....	Gary Heat, Light & Water Co.....	551,867 19	50,579 29	771 56	603,218 04
Huntington.....	Huntington Light & Fuel Co.....	195,460 24	3,931 30	10,276 27	209,667 81
Indianapolis.....	Indianapolis Light & Heat Co.....	3,281,254 47	4,710 14	11,692 56	3,297,657 17
Indianapolis.....	Merchants Heat & Light Co.....	1,461,360 94	280,437 82	232,733 23	1,974,531 99
Jeffersonville.....	Interstate Public Service Co.....	108,900 53	11,758 67	2,715 75	123,374 95
New Albany.....	Interstate Public Service Co.....	162,121 54	19,734 58	2,630 37	184,486 49
Kokomo.....	Indiana Railways & Light Co.....	519,030 72	33,807 58	7,288 14	560,126 44
Laporte.....	Laporte Gas & Electric Co.....	205,979 82	39,476 45	4,877 29	250,333 56
Logansport.....	Logansport Utilities Co.....	25,214 24			25,214 24
Terre Haute.....	Terre Haute, Indianapolis & Eastern Traction Co.....	892,920 58	64,089 12	24,860 48	981,870 18
Vincennes.....	Indiana Power Co.....	181,800 33	21,987 83	9,108 66	212,896 82
Williams.....	Southern Indiana Power Co.....	247,241 18	29,735 40	107,990 86	384,967 44
Columbus.....	Central Indiana Lighting Co.....				
Bloomington.....	Interstate Public Service Co.....	135,479 40	9,647 04		145,126 44
Shelbyville.....	Interstate Public Service Co.....	96,242 99	14,317 61		110,560 60
New Castle.....	Interstate Public Service Co.....	114,803 00		.....	114,803 00
Monticello.....	Interstate Public Service Co.....	130,462 63	23,342 23	15,285 32	172,090 18
Noblesville.....	Noblesville Heat, Light & Power Co.....	145,989 58	11,883 82		157,873 40

†Indicates Credit.

IX.

UTILITIES—CALENDAR YEAR, 1921

ELECTRIC UTILITIES

Operating Expenses							Net Operating Revenue
Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undis- tributed	Depreciation and Contingencies	Taxes	Total	
\$193,607 41	\$16,548 46	\$11,968 45	\$22,907 83	\$32,676 84		\$277,708 99	\$126,499 89
216,039 84	25,382 67	56,519 86	47,228 47	6,000 00		351,170 84	144,214 92
159,258 03	7,936 83	16,131 12	22,773 30	22,500 00		228,599 28	90,386 91
40,326 59	12,314 26	5,464 62	8,281 46	12,644 45		79,031 38	39,874 35
115,191 36	7,091 05	3,320 08	9,636 58	7,920 00		143,159 07	22,937 12
322,646 33	7,390 16	14,035 59	16,232 79	31,762 18		392,067 05	87,169 55
601,705 97	122,305 23	107,426 99	68,880 80	50,568 92	\$57,122 05	1,008,009 96	451,765 20
224,002 31	26,041 91	27,582 06	26,936 43	39,313 32	18,162 56	362,038 59	79,037 67
208,460 04	25,297 00	14,899 87	17,190 00	15,518 32	19,760 50	301,125 73	50,659 89
674,512 84	165,650 10	125,556 58	231,054 45	200,000 00	229,981 13	1,626,755 10	720,074 70
703,268 90	140,036 23	127,628 55	76,432 71	28,586 96	218,345 71	1,294,299 06	423,667 62
222,195 72	46,278 62	33,882 60	26,552 70	72,000 00	63,001 10	463,910 74	301,037 57
294,424 26	49,429 54	40,903 24	72,430 44	60,000 00	56,518 51	573,705 99	320,629 56
109,134 45	6,832 32	417 34	12,809 70	13,090 56	6,810 87	149,095 24	26,201 23
104,693 08	35,531 02	17,143 52	52,265 43	43,493 86	89,607 28	342,734 19	260,483 85
129,020 56	4,773 22	4,784 13	24,780 10	14,029 20	8,852 21	186,239 42	23,428 39
1,112,049 57	191,338 43	211,098 13	146,669 35	548,134 86	326,024 85	2,535,315 19	762,341 98
874,841 54	75,866 14	166,875 42	173,914 35		148,930 18	1,440,427 63	534,104 36
58,231 51	16,511 75	5,267 71	13,394 74	10,091 09	10,550 40	114,077 20	9,297 75
80,284 77	15,802 96	16,587 74	21,885 31	14,221 58	15,216 82	163,999 18	20,487 31
190,642 22	18,829 50	21,872 33	42,018 99			273,363 04	286,763 40
134,763 93	8,097 93	7,685 06	26,336 93	13,920 00	10,497 59	201,301 44	49,032 12
16,330 17			1,931 35	1,680 00	830 25	20,771 77	4,442 47
248,671 74	129,500 52	57,824 29	122,830 54		31,209 92	590,037 01	391,833 17
40,735 70	9,288 77	8,340 41	30,312 12			88,677 00	124,219 82
256,552 15	17,078 33	3,173 99	16,073 73	14,980 42	23,400 00	311,297 78	73,669 66
75,380 95	5,301 04	10,543 72	12,475 60	11,137 14	11,419 70	113,983 87	31,142 57
48,564 20	5,543 12	5,866 20	8,234 76	12,876 92	10,411 28	75,742 64	34,817 96
59,359 98	3,531 19	5,183 14	8,730 51	1140 94	4,670 47	81,334 35	33,468 65
54,079 57	20,309 65	9,242 73	15,270 09	668 95	10,716 00	110,286 99	61,803 19
81,508 47	6,934 26	8,284 56	19,376 19	11,606 62	11,803 63	139,513 73	18,359 67

TABLE
OPERATING STATISTICS OF ELECTRIC UTILITIES
2. CLASS "B"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial	Municipal	Other Public Utilities and Miscellaneous	Total
(MUNICIPALLY OWNED)					
Attica.....	Municipal Light & Water Plant.....				
Auburn.....	Municipal Water & Elec. Light Works.....	\$65,641 44	\$7,236 16	\$115 12	\$72,992 72
Bluffton.....	Municipal Water & Elec. Power Plant.....	65,752 77	8,561 70	21,028 14	95,342 61
Columbia City.....	Municipal Electric Light Department.....	49,291 87	4,432 60	886 35	54,610 82
Crawfordsville.....	Municipal Electric Light & Power Co.....				
Decatur.....	Decatur Light & Power Plant.....	52,466 01	17,808 75	4,588 50	74,863 26
Frankfort.....	Municipal City Light & Power Co.....	169,134 23	18,837 42	2,658 71	190,630 36
Garrett.....	Municipal Water & Elec. Light Dept.....	47,472 41		44 84	47,517 25
Gas City.....	Municipal Water & Light Co.....				
Goshen.....	Municipal Elec. Plant & Water Works.....	40,694 20	20,061 57		60,755 77
Greenfield.....	Municipal Elec. Light & Power Plant.....	35,019 86	3,266 50	16 00	38,302 36
Kendallville.....	Municipal Electric Light Dept.....	53,064 40	16,787 51		69,851 91
Lawrenceburg.....	Lawrenceburg Electric Light Dept.....				
Linton.....	Municipal Elec. Light & Power Plant.....	45,940 27	4,599 98		50,540 25
Martinsville.....	Municipal Light Plant.....	150 00	9,340 00		9,490 00
Mitchell.....	Municipal Electric Light Plant.....				
New Castle.....	Municipal Water & Light Plant.....	304 32	9,792 11		10,096 43
Portland.....	Municipal Electric Light Plant.....	73,132 69	12,510 81	3,860 10	89,503 60
Rushville.....	Municipal Electric Light Plant.....	43,657 05	6,416 74	3,065 28	53,139 07
Tell City.....	Tell City Electric Light Dept.....	21,545 08	5,000 00	62 98	26,608 06
Tipton.....	Tipton Electric Light Plant.....	56,129 43	12,700 00	468 00	69,297 43
Washington.....	Municipal Electric Works.....	56,414 68	11,470 45	2,517 65	70,402 78
(PRIVATELY OWNED)					
Alexandria.....	Indiana General Service Co.....	See combined report—Muncie Class "A"			
Dunkirk.....	Indiana General Service Co.....	See combined report—Muncie Class "A"			
Gas City.....	Indiana General Service Co.....	See combined report—Muncie Class "A"			
Hartford City.....	Indiana General Service Co.....	See combined report—Muncie Class "A"			
Bedford.....	Interstate Public Service Co.....	85,342 82	9,660 23		95,003 05
Lebanon.....	Interstate Public Service Co.....	73,185 76	20,699 15		93,884 91
Seymour.....	Interstate Public Service Co.....	49,412 55	10,087 48	8,974 34	68,474 37
Boonville.....	Boonville Electric Light & Power Co.....	38,080 77	2,846 97		40,927 74
Brazil.....	T. H. I. and E. Traction Co.....				
W. Terre Haute.....	T. H. I. and E. Traction Co.....				
Clinton.....	Wabash Valley Elec. Co. (Combined)	308,696 07	23,082 54	37,170 49	368,949 10
Connersville.....	Hydro Electric Light & Power Co.....	226,952 19	13,178 72	5,055 45	245,186 36
Franklin.....	Interstate Public Service Co.....	49,682 50	6,442 98		56,075 48
Goshen.....	Hawks Electric Co. (System)	161,823 07	9,145 76	59,394 83	230,363 66
Greencastle.....	Putnam Electric Co.....	57,209 74	6,547 35		63,757 09
Greensburg.....	Greensburg Gas & Electric Co.....	31,436 95	10,676 14	171 47	42,284 56
Jasonville.....	Wabash Valley Electric Co.....	See general report—Clinton.			
Seymour.....	Jackson County Transmission Co.....				
Madison.....	Madison Light & Railways Co.....	65,262 74	11,759 19	2,822 63	79,844 56
Martinsville.....	Martinsville Gas & Electric Co.....	42,670 45	25,702 34	1,781 96	70,154 75
Mt. Vernon.....	Mt. Vernon Elec. Light & Power Co.....	37,133 32	8,191 21	79 96	45,404 49
Plymouth.....	Plymouth Electric Light & Power Co.....	102,130 54	15,123 28	24,002 81	141,256 63
Princeton.....	Princeton Electric Light & Power Co.....	72,098 86	8,017 30		80,116 16
Rochester.....	United Public Service Co.....	91,733 58	12,419 07	12,712 51	116,865 16
Union City.....	Union City Electric Co.....	48,791 58	5,451 62	140 55	54,383 75
Valparaiso.....	Valparaiso Lighting Co.....	102,427 56	4,698 91		107,126 47
Wabash.....	Wabash Water & Light Co.....	124,903 75	11,041 29	1,775 56	137,720 60
Warsaw.....	Winona Electric Light & Water Co.....	92,158 50	10,577 16	28,603 04	131,338 70
Winchester.....	Citizens Heat, Light & Power Co.....	37,823 05	3,315 00		41,138 05
Columbus.....	Interstate Public Service Co.....	100,997 38	1,095 80	1,171 74	103,264 92
Crown Point.....	Interstate Public Service Co.....	58,866 43	16,424 54		75,290 97

*Indicates Deficit.

IX.

—CALENDAR YEAR, 1921—Continued.

ELECTRIC

Operating Expenses							Net Operating Revenue
Power	Transmission, Storage and Distribution	Consumption and Commercial	General and Undis- tributed	Depreciation and Contingencies	Taxes	Total	
\$47,484 97	\$2,319 30	\$2,420 98	\$2,095 42	\$2,400 00		\$56,720 67	\$16,272 05
49,463 58	1,926 93	2,354 37	7,976 34	16,500 18		78,221 40	17,121 21
31,694 39	1,865 25	1,847 58	2,045 42			37,452 64	17,158 18
48,268 99	4,227 01	1,473 24	2,570 19	4,957 48		61,496 91	13,366 35
100,742 77	6,810 24	4,119 69	9,977 02	15,050 93		136,700 65	53,929 71
22,594 35	899 59	1,367 03	2,749 69			27,610 66	19,906 59
20,007 97	4,704 30	3,997 60	7,615 03	5,822 91		42,147 81	18,607 96
27,728 50	1,341 07	621 46	1,616 05	2,142 00		33,449 08	4,853 28
42,933 36	1,709 38	1,793 30	1,724 71			43,160 75	21,691 16
29,542 99	5,018 36	1,220 06	4,963 66			40,745 07	9,795 18
5,880 03	695 89					6,575 92	2,914 08
8,484 44	139 41	1,418 65	650 08	903 36		11,595 94	*1,499 51
53,649 18	4,047 92	913 84	4,619 20			63,230 14	26,273 46
21,733 28	4,235 40	3,882 01	4,615 86	5,163 21		39,629 76	13,509 31
17,311 65	2,285 36	1,056 22	3,827 15	1,596 00		26,076 38	531 68
45,635 09	4,960 25	1,457 32	5,510 06	4,133 65		61,696 37	7,601 06
41,184 89	1,009 83	2,336 02	4,845 70			49,376 44	21,026 34
43,266 12	7,278 78	6,039 03	9,417 84	11,405 80	9,344 00	73,939 97	21,063 08
61,421 80	2,952 02	4,258 50	9,707 49	1994 20	7,000 00	84,345 61	9,539 30
31,299 03	2,699 24	2,823 22	6,390 94	1689 32	6,275 86	48,798 97	19,675 40
13,899 08	2,640 39	1,172 21	8,422 76	2,062 50	4,278 95	32,475 89	8,451 85
130,772 20	17,525 60	22,229 54	54,659 73	47,458 85	24,941 31	297,587 23	71,361 87
109,666 57	6,012 14	9,064 91	24,189 09	28,318 49	8,481 79	185,732 99	59,453 37
20,895 17	3,863 77	4,228 67	5,178 12	1302 04	4,047 60	37,911 29	18,164 19
90,840 15	12,401 72	11,695 98	33,836 00	25,827 91	11,591 94	186,193 70	44,169 96
31,672 87	3,687 75	1,517 34	9,397 75	6,100 71	2,400 00	54,776 42	8,980 67
20,016 70	1,105 82	1,570 34	3,568 39	4,920 00	4,118 84	35,300 09	6,984 47
42,110 27	1,630 28	2,549 00	10,437 72		4,775 94	61,503 21	18,341 35
39,746 29	1,313 48	1,888 35	7,941 86	3,540 00	2,712 93	57,142 91	13,011 84
21,203 06	1,622 37	3,860 52	6,303 53	2,400 00	2,733 79	38,123 27	7,281 22
61,265 62	4,510 29	3,483 05	19,515 77	11,575 17	11,656 83	112,006 73	29,249 90
35,352 34	4,357 74	2,783 04	9,395 53	3,420 00	6,598 34	61,906 99	18,209 17
51,724 41	4,818 37	4,113 27	24,202 75	6,900 00	6,273 56	98,032 36	18,832 80
14,589 78	2,438 94	1,794 04	7,777 79	10,433 33	3,101 87	40,090 75	14,293 00
43,611 06	6,501 24	3,501 44	7,612 32	128 52	3,383 07	64,737 65	42,388 82
61,247 76	4,940 33	4,082 47	16,799 27	14,000 00	18,844 11	119,913 94	17,806 66
67,607 64	6,458 19	2,825 44	12,715 50	8,367 80	3,277 88	101,252 45	30,086 25
14,331 85	3,010 79	581 62	4,108 90	11,426 09	2,291 39	35,750 64	5,387 41
52,079 07	5,285 87	4,084 27	9,016 39	5,574 50	5,840 00	81,880 10	21,384 82
29,863 81	5,198 14	4,362 63	7,780 10	148 17	2,700 00	50,052 85	25,238 12

TABLE
OPERATING STATISTICS OF GAS
CLASS

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial, Industrial and Power	Residuals (Net)	Other Utilities, Municipal- ities and Miscellaneous	Total
Anderson.....	Central Indiana Gas Co.....	\$240,209 27			\$240,209 27
East Chicago.....	Northern Ind. Gas and Elec. Co.....				
Elkhart.....	Elkhart Gas and Fuel Co.....	222,580 73	\$70,149 56	\$1,255 00	293,985 29
Elwood.....	Central Indiana Gas Co.....	50,408 28	16,633 46		67,041 74
Evansville.....	Southern Ind. Gas and Elec. Co.	428,258 66	121,632 19		549,890 85
Ft. Wayne.....	Northern Indiana Gas and Elec. Co.	820,103 38	89,214 76		909,318 14
Gary.....	Gary Heat, Light and Water Co.....	363,838 66		658 90	364,497 56
Hammond.....	Northern Indiana Gas and Elec. Co.	641,569 42	4,103 41	33,276 38	678,949 21
Huntington.....	Huntington Light and Fuel Co.....	95,248 71	40,977 60		136,226 31
Indianapolis.....	Citizens Gas Company.....	2,154,879 09	2,915,630 73	53,988 55	5,124,498 37
Jeffersonville.....	Interstate Public Service Co.....	65,427 30	20,097 81		85,525 11
Kokomo.....	Kokomo Gas and Fuel Co.....	191,526 10			191,526 10
Lafayette.....	Northern Indiana Gas and Elec. Co.	274,771 74	71,818 89		346,590 63
Laporte.....	Laporte Gas and Electric Co.....	112,917 85	30,319 03	466 81	143,703 69
Logansport.....	Northern Indiana Gas and Elec. Co.	164,998 43			164,998 43
Marion.....	Central Indiana Gas Co.....	164,137 52	43,515 35		207,652 87
Mishawaka.....	Northern Indiana Gas and Elec. Co.	191,813 05	40,424 32		232,237 37
Muncie.....	Central Indiana Gas Co.....	514,976 10	32,325 33		547,301 43
New Albany.....	Interstate Public Service Co.....	127,271 95	39,827 52		167,099 47
Peru.....	Peru Gas Company.....	107,063 20			107,063 20
Richmond.....	Richmond Light, Heat and Power Co.	216,329 44		1,110 09	217,439 53
South Bend.....	Northern Indiana Gas and Elec. Co.	843,496 57	14,550 36	770 37	858,817 30
Terre Haute.....	Citizens Gas and Fuel Co.....	455,853 98			455,853 98
Vincennes.....	Central States Gas Co.....				

*Deficit.

IX—Continued.

UTILITIES—CALENDAR YEAR 1921

"A" GAS

Operating Expenses							Net Operating Revenues
Production	Distribution	Commercial	General and Undistrib- uted (Includ- ing Municipal Lighting)	Depreciation and Con- tingencies	Taxes	Total	
\$113,205 84	\$27,424 43	\$14,323 75	\$13,897 64	.....	\$14,085 40	\$182,937 07	\$57,272 20
166,108 61	11,902 69	5,446 84	20,345 89	.....	27,120 00	230,924 03	63,061 26
37,087 01	6,910 86	3,609 38	3,495 13	.....	3,549 32	54,651 70	12,390 04
328,916 56	47,008 77	20,628 40	28,107 91	\$40,099 35	46,988 69	511,749 68	38,141 17
484,746 37	42,597 80	61,853 27	37,774 99	30,000 00	36,038 39	693,010 82	216,307 32
103,679 67	23,657 27	9,087 03	42,285 27	38,899 92	44,137 14	261,746 30	102,751 26
328,946 07	61,469 00	62,065 03	22,221 85	16,879 68	33,091 43	524,673 06	154,276 15
98,677 61	6,019 23	3,677 88	12,826 02	8,025 12	7,363 60	136,589 46	*363 15
4,206,316 52	255,420 71	117,820 20	119,566 23	50,000 00	279,397 84	5,028,521 50	95,976 87
58,585 07	6,459 21	1,668 99	7,212 56	3,110 58	5,697 14	82,733 55	2,791 56
78,496 25	14,603 75	4,098 47	25,892 62	44,873 83	15,911 34	183,876 26	7,649 84
191,191 30	21,875 80	15,144 09	10,625 68	10,945 92	14,655 16	264,437 95	82,152 68
80,135 62	6,788 63	2,189 00	16,217 50	6,399 96	6,258 19	117,988 90	25,714 79
85,382 74	11,229 03	15,703 83	16,997 27	5,839 92	8,660 37	143,813 16	21,185 27
117,854 30	18,900 62	9,871 11	9,575 34	.....	9,706 84	165,908 21	41,744 66
156,624 24	15,404 15	13,332 50	7,738 47	7,875 00	13,260 82	214,235 18	18,002 19
335,666 70	36,984 39	19,305 22	18,736 44	.....	18,994 76	429,687 51	117,613 92
108,176 23	16,910 63	5,176 82	14,759 86	3,227 00	10,252 50	158,503 04	8,596 43
52,994 02	4,541 23	9,166 39	3,542 37	4,107 48	7,637 06	81,988 55	25,074 65
117,601 69	8,346 12	8,407 25	18,099 07	10,448 88	30,756 10	193,659 11	23,780 42
451,850 95	63,564 61	64,199 53	25,851 37	28,663 68	35,764 23	669,894 37	188,922 93
200,068 00	25,661 69	17,392 40	74,091 14	32,500 00	56,574 00	406,287 23	49,566 75

TABLE
OPERATING STATISTICS OF GAS
CLASS "B" GAS

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial Industrial and Power	Residuals (Net)	Other Utilities Municipal- ities and Miscellaneous	Total
Alexandria	Central Indiana Gas Co.	\$31,725 01	\$11,056 85		\$42,781 86
Aurora	Interstate Public Service Co.	10,062 24	2,722 81		12,785 05
Auburn	Indiana Fuel & Light Co.	See Combined report—Kendallville.			
Bedford	Interstate Public Service Co.	35,344 46	12,601 92		47,946 38
Bloomington	Central Indiana Lighting Co.	47,055 58	3,901 55		50,957 13
Bluffton	Northern Indiana Gas & Elec. Co.	53,444 80			53,444 80
Brazil	Brazil Gas Co.	38,723 16	10,007 04		48,730 20
Columbus	Columbus Gas Light Co.	64,050 43	20,857 69	\$43 00	84,951 12
Connersville	Peoples Service Co.	57,890 64	25,059 95		82,950 59
Fairmount	Central Indiana Gas Co.	14,377 60			14,377 60
Frankfort	Northern Indiana Gas & Elec. Co.	77,547 66	2,453 83		80,001 49
Franklin	Interstate Public Service Co.	20,448 68	5,785 37		26,234 05
Garrett	Indiana Fuel & Light Co.	See Combined report—Kendallville.			
Gas City	Central Indiana Gas Co.				
Goshen	Goshen Gas Co.	68,244 93	18,084 20		86,329 13
Greencastle	Greencastle Gas & Elec. Co.	20,430 37	5,692 16		26,122 53
Greenfield	Interstate Public Service Co.	23,947 90			23,947 90
Hartford City	Central Indiana Gas Co.	30,008 19			30,008 19
Kendallville	Indiana Fuel & Light Co.	117,044 47	34,060 40	2,524 52	153,629 39
Lawrenceburg	Lawrenceburg Gas Co.	12,535 83	2,687 29		15,223 12
Lebanon	Northern Indiana Gas & Elec. Co.	53,318 14			53,318 14
Linton	Linton Gas Co.				
Liberty	Liberty Gas Light & Fuel Co.	9,429 48		1 30	9,430 78
Loogootee	Loogootee Gas Fuel Co.	5,184 56	618 72		5,803 28
Madison	Madison Light & Fuel Co.	26,795 50	8,541 10		35,336 60
Martinsville	Martinsville Gas & Elec. Co.	21,480 05			21,480 05
Middletown	Middletown Gas Co.	9,350 14	1,146 02		10,496 16
New Castle	Interstate Public Service Co.	74,334 11			74,334 11
Noblesville	Indiana Gas Light Co.	66,241 84			66,241 84
Normal City	Central Indiana Gas Co.				
Plymouth	Northern Indiana Gas & Elec. Co.	30,861 82	221 89		31,083 71
Princeton	Princeton Utilities Co.	24,308 83			24,308 83
Riverside	Central Indiana Gas Co.				
Rochester	Rochester Gas & Fuel Co.	27,450 78	9,170 13		36,620 91
Selma	Selma Gas Co.				
Seymour	Interstate Public Service Co.	38,070 18	14,812 08		52,882 26
Shelbyville	Interstate Public Service Co.	44,379 45		314 73	44,694 18
Tipton	Indiana Gas Light Co.	See Combined report—Winchester.			
Union City	Union Heat Light & Power Co.	70,534 44	18,721 56	124 48	89,380 48
Valparaiso	Valparaiso Light Co.	84,576 74			84,576 74
Wabash	Northern Indiana Gas & Elec. Co.	26,506 85	1,665 44		28,172 29
Washington	Washington Water Lt. & Power Co.	48,576 57	18,415 10		66,991 67
Warsaw	Warsaw Gas Co.	55,501 88			55,501 88
Winchester	Union Heat, Light & Power Co.	95,917 91			95,917 91
Suburban	Central Indiana Gas Co.				
Rushville	Rushville Natural Gas Co.				
Crawfordsville	Northern Indiana Gas & Elec. Co.	70,615 60	26,565 82		97,181 42
Decatur	Northern Indiana Gas & Elec. Co.	37,521 60			37,521 60
Kokomo	Indiana Nat'l Gas & Oil Co.	21,501 84		78,496 25	99,998 09

*Deficit.

†Credit.

IX:

UTILITIES CALENDAR YEAR. 1921—Continued
UTILITIES

Operating Expenses							Net Operating Revenues
Production	Distribution	Commercial	General and Undistrib- uted (Included in Municipal Lighting)	Depreciation and Con- tingencies	Taxes	Total	
\$24,597 87	\$3,927 07	\$2,051 25	\$1,988 20		\$2,017 11	\$34,581 50	\$8,200 36
10,625 38	860 28	272 87	698 11	†\$517 00	576 00	12,515 64	269 41
38,762 19	2,833 94	1,367 88	3,483 31	876 61	3,456 00	50,779 93	*2,833 55
40,259 53	3,282 79	2,601 39	4,158 55	†379 05	3,806 56	53,729 77	*2,772 64
18,079 49	7,779 11	5,029 87	5,053 42	2,025 00	2,282 18	40,249 07	13,195 73
27,322 92	1,896 14	1,031 91	7,360 98	2,312 94	5,500 00	45,424 89	3,305 31
50,400 93	3,950 94	3,311 40	8,688 65	2,292 00	4,500 00	73,143 92	11,807 20
58,913 28	3,489 85	874 85	7,707 54		989 35	71,974 87	10,975 72
7,454 19	1,827 86	965 12	925 07		938 26	12,110 50	2,267 10
40,022 13	6,384 60	6,163 83	7,045 06	3,204 36	6,982 52	69,802 50	10,198 99
20,644 74	958 86	1,118 37	1,874 83	554 24	1,465 51	26,616 55	*382 50
63,699 42	2,863 35	1,960 05	11,190 17	2,220 00	6,322 67	88,255 66	*1,926 53
18,486 20	1,547 65	926 44	3,374 49	1,200 00	1,200 00	26,734 78	*612 25
12,792 71	1,535 23	1,219 81	2,060 06	1,192 28	1,948 32	20,748 41	3,199 49
15,423 19	3,096 25	1,616 76	1,566 97		1,590 67	23,293 84	6,714 35
89,677 72	3,749 16	3,100 58	20,942 42	5,834 21	8,400 00	131,704 09	21,925 30
13,778 68	571 97		794 63		135 06	15,280 34	*57 22
25,827 42	3,822 00	4,276 88	2,081 60	2,123 88	2,824 92	40,956 70	12,361 44
6,023 60	440 46	295 19	1,367 87	100 42	199 20	8,426 74	1,004 04
2,022 64	1,285 28		1,735 30	2,302 08	75 96	7,421 26	*1,617 98
21,239 73	1,115 63	203 25	5,715 20	1,294 60	2,032 80	31,601 21	3,735 39
11,197 90	764 60	608 16	3,559 51	858 48	1,356 48	18,345 13	3,134 92
4,096 60	2,566 75		1,434 04	175 00	232 82	8,505 21	1,990 95
43,401 17	2,938 92	2,933 50	5,612 47	†90 60	3,002 44	57,797 90	16,536 21
27,348 85	3,614 76	1,888 78	9,454 79	4,068 00	4,810 11	51,185 29	15,056 55
17,795 55	1,830 64	2,086 18	1,306 28	1,690 08	2,487 27	27,196 00	3,887 71
12,453 22	761 89	532 87	4,453 62	2,429 73	2,479 31	23,110 64	1,198 19
22,457 04	3,059 74	399 82	3,888 95	1,248 00	1,764 00	32,817 55	3,803 36
34,433 96	2,333 13	1,055 91	3,596 47	1,334 86	3,530 17	46,284 50	6,597 76
25,911 31	2,993 31	1,216 25	3,293 90	795 88	4,164 51	38,375 16	6,319 02
51,808 12	4,359 67	2,096 67	5,694 47	176 54	5,835 11	69,970 58	19,409 90
43,652 69	4,823 23	6,944 18	8,804 35	3,152 04	4,433 35	71,809 84	12,766 90
19,225 67	2,856 00	718 63	2,705 99	1,927 27	2,637 63	30,071 19	1,898 90
47,515 65	2,500 77	2,286 34	8,587 67	1,300 00	3,598 67	65,789 10	1,202 57
16,289 02	8,791 00	6,416 11	6,224 29		5,232 18	42,952 60	12,549 28
58,440 53	230 31	120 18	119 58		117 64	59,028 24	36,889 67
64,681 15	6,266 88	5,517 46	3,483 99	3,062 16	8,222 53	91,234 17	8,947 25
12,792 04	6,772 05	3,661 07	3,384 53	2,100 00	2,304 99	31,014 68	6,506 92
18,845 88	43,286 70	800 00	45,201 67		13,505 40	121,639 65	21,641 56

TABLE
OPERATING STATISTICS OF HEATING
HOT WATER

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial	Municipal	Miscellaneous	Total
Bedford	Interstate Public Service Co.				
Bloomington	Central Indiana Lighting Co.				
Boonville	Boonville Elec. Light & Power Co.	\$9,953 93			\$9,953 93
Crawfordsville	Crawfordsville Heating Co.	67,487 01			67,487 01
Elwood	Indiana General Service Co.	37,011 05	\$5,195 00		42,207 05
Fowler	Interstate Public Service Co.				
Frankfort	Frankfort Heating Co.	92,441 16			92,441 16
Indianapolis	Merchants Heat & Light Co.	171,031 80			171,031 80
Laporte	Laporte Gas & Elec. Co.	68,435 58			68,435 58
Lebanon	Interstate Public Service Co.				
Marion	Indiana General Service Co.	46,323 98	6,733 82		53,057 80
Monticello	Interstate Public Service Co.				
New Castle	Interstate Public Service Co.	15,194 85			15,194 85
Peru	Peru Heating Co.	36,111 53			36,111 53
Princeton	Princeton Light & Power Co.	15,573 32			15,573 32
Terre Haute	Citizens Mutual Heating Co.	72,009 90			72,009 90
Lafayette	Northern Indiana Gas & Elec. Co.	80,902 49			80,902 49

STEAM

Anderson	Central Heating Co.	49,514 82			49,514 82
Batesville	Batesville Elec. Light & Power Co.				
Columbia City	Municipal Heating Co.				
Evansville	Southern Ind. Gas & Elec. Co.	45,138 65			45,138 65
Goshen	Municipal Heating Plant.	3,180 66	144 00		3,324 66
Hope	Pulse & Porter Elec. Lt. Plant.	No Data.			
Huntington	Huntington Light P. Fuel Co.	32,805 86	6,151 10		38,956 96
Indianapolis	Indianapolis Light & Heat Co.	205,381 79			205,381 79
Indianapolis	Merchants Heat & Light Co.	518,431 45			518,431 45
Kokomo	Indiana Railway and Light Co.	45,062 42	1,426 79		46,489 21
Logansport	Logansport Heat & Power Co.	Steam Heating discontinued.			
Martinsville	Martinsville Gas & Elec. Co.				
Mooreville	Mooreville Public Service Co.				
Muncie	Indiana General Service Co.	110,805 26	5,294 13		116,099 39
Noblesville	Noblesville Heat Light & Power Co.	12,205 42			12,205 42
Rensselaer	Municipal Heating Department.				
Rochester	United Public Service Co.				
South Bend	St. Joseph Heating Co.	82,331 21			82,331 21
Terre Haute	T. H. I. & E. Traction Co.				
Thorntown	Municipal Heating Plant.				
Warsaw	Winona Elec. Light & Water Co.	5,607 74			5,607 74

*Deficit.

†Credit.

IX.

UTILITIES—CALENDAR YEAR, 1921

HEATING

Operating Expenses							Net Operating Revenues
Station Expense	Distribution	Consumption and Commercial	General and Undis- tributed	Depreciation	Taxes	Total	
\$3,202 28	\$130 58	\$161 06	\$838 57	\$1,800 00	\$1,508 00	\$7,640 49	\$2,313 44
40,969 55	540 00	25 72	4,110 75	7,000 00	2,876 18	55,522 20	11,964 81
21,516 19	437 05	974 42	14 40	4,208 62	5,698 15	32,829 93	9,377 12
47,575 49	5,532 65	3,545 42	3,404 39	6,678 53	3,558 38	70,294 86	22,146 30
121,277 17	6,842 46	8,626 77	14,680 26	.....	12,276 44	163,203 10	7,828 70
31,478 66	2,163 04	1,013 22	3,972 55	6,975 00	3,426 29	49,028 76	19,406 82
32,740 67	1,972 74	764 30	74 28	3,678 39	4,421 11	43,651 49	9,406 31
11,220 73	421 28	651 89	1,247 22	120 14	667 21	14,188 19	1,006 66
26,207 30	619 34	60 87	1,192 34	2,000 00	1,614 78	31,694 63	4,416 90
7,024 07	6,984 14	.....	.....	1,140 00	2,199 45	17,347 66	*1,774 34
43,593 21	.....	33 42	6,326 34	10,155 74	3,404 60	63,513 31	8,496 59
53,113 64	7,524 67	3,628 96	2,110 92	.....	1,562 37	67,940 56	12,961 93

HEATING

30,320 88	1,671 34	17 41	5,242 21	7,107 00	1,536 72	45,895 56	3,619 26
24,285 51	4,194 39	2,790 42	2,982 32	8,000 00	4,527 38	46,780 02	*1,641 37
4,567 97	518 82	31 50	218 00	21 66	.....	5,357 95	*2,033 29
32,650 02	918 43	677 69	3,770 94	3,433 20	1,912 42	43,362 70	*4,405 74
113,143 29	13,600 89	29,193 94	559 47	25,055 44	7,507 91	189,060 94	16,320 85
249,457 71	8,466 99	10,722 84	14,221 50	.....	25,906 74	308,775 78	209,655 67
20,730 69	2,929 49	1,014 95	2,276 44	.....	.....	26,951 57	19,537 64
63,640 66	5,327 85	1,869 35	16 68	9,344 09	9,383 54	89,558 81	26,540 58
6,061 42	553 35	6 20	1,621 50	1,260 60	.....	9,503 07	2,702 35
58,682 03	4,278 03	498 11	1,156 44	6,553 91	2,693 27	73,861 79	8,469 42
5,739 33	368 00	56 59	483 35	493 08	296 79	7,437 14	*1,829 40

TABLE
OPERATING STATISTICS OF TELEPHONE
CLASS "A"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Exchange	Toll	Rentals	Miscellaneous
New York	American Tel. & Teleg. Co. ....	.....	38,065,509 01	.....	20,203,030 16
Hammond	Illinois Bell Tel. Co. (Ind. only.) ..	675,779 70	246,296 20	.....	*36,030 06
Terre Haute	Citizens Independent Tel. Co.	447,537 60	26,375 81	.....	10,205 45
Elkhart	Home Telephone Co. of Elkhart Co. ..	118,124 72	10,489 20	660 00	202 94
Goshen	Home Telephone Co. of Elkhart Co. ..	50,156 28	9,681 45	.....	99 00
Wakarusa	Home Telephone Co. of Elkhart Co. ..	No Data.	No Data.	.....	.....
Ft. Wayne	Home Tel. & Teleg. Co.	428,821 03	90,364 73	3,018 00	15,493 45
Indianapolis	Indiana Bell Telephone Co.	5,323,509 24	1,685,613 05	.....	*145,940 21
Lafayette	Lafayette Tel. Co.	182,556 61	1,487 48	1,607 50	4,016 00
Laporte	Laporte Telephone Co.	118,743 56	15,478 11	.....	971 04
Logansport	Logansport Home Tel. Co.	119,651 65	19,045 53	.....	.....
Valparaiso	Northwestern Ind. Tel. Co.	46,680 91	12,201 49	.....	2,388 88
Chesterton	Northwestern Ind. Tel. Co.	9,857 99	3,359 01	.....	352 22
Hobart	Northwestern Ind. Tel. Co.	16,457 01	4,491 15	.....	729 89
Kouts	Northwestern Ind. Tel. Co.	4,803 30	1,522 17	.....	166 95
Miller	Northwestern Ind. Tel. Co.	No Data.	.....	.....	.....
Wheeler	Northwestern Ind. Tel. Co.	1,566 90	646 99	.....	38 93
Richmond	Richmond Home Tel. Co.	126,075 89	17,918 71	.....	.....
Winchester	The Eastern Ind. Tel. Co.	75,371 62	25,802 31	.....	588 00
Knox	Winona Tel. Co. (Combined)	86,993 18	23,494 51	.....	.....
Louisville, Ky.	Independent L. D. Tel. & Teleg. Co. ..	7,790 55	75,767 43	.....	93 50
New Albany	Louisville Home Tel. Co.	92,176 88	10,633 84	.....	1,422 35
Seymour	Southern Ind. Tel. & Teleg. Co.	72,087 21	7,931 07	.....	44 00
Michigan City	Merchants Mutual Tel. Co.	72,487 47	10,666 49	.....	191 30
Linton	New Home Telephone Co.	45,550 38	15,109 90	.....	1,535 05
Angola	Steuben County Telephone Co.	39,292 45	9,315 52	.....	29 07
Wabash	Home Telephone Co.	62,123 99	9,835 42	600 00	1,787 17

*Indicates deficit.

IX.

UTILITIES—CALENDAR YEAR, 1921

TELEPHONE

Total	Operating Expenses						Net Operating Revenues
	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Uncollectible Account	Total	
58,268.53 17	11,643.71 82	8,204.72 87	904,280 22	9,651.58 11	4,629.74 84	35,034.05 8	23,234.48 07
886,045 84	328,756 10	234,919 95	100,578 19	29,573 35	74,051 57	767,879 16	118,166 68
484,118 86	149,138 71	114,089 16	41,303 29	19,281 37	46,520 93	370,333 46	113,785 40
129,476 86	49,271 36	31,173 17	10,343 02	8,230 30	9,834 46	108,852 31	20,624 55
59,936 73	19,431 79	18,882 49	4,381 70	4,958 26	5,849 40	53,503 64	6,433 09
537,697 21	143,490 03	194,853 60	57,962 49	84,359 55	23,871 79	509,537 46	28,159 75
6,863,182 08	2,592,228 36	2,547,679 12	724,614 25	317,044 33	673,506 48	6,855,072 54	8,109 54
189,667 59	54,596 79	45,745 80	10,210 05	18,535 79	16,515 34	145,603 77	44,063 82
135,192 71	47,624 01	34,085 00	10,225 57	10,830 19	7,578 34	110,343 11	24,849 60
138,697 18	41,524 87	35,435 44	8,521 27	9,164 84	8,701 45	103,347 87	35,349 31
61,271 28	13,246 14	20,862 44	2,927 36	5,981 87	4,332 46	47,350 27	13,921 01
13,569 22	2,564 70	4,859 50	645 02	1,175 02	611 10	9,855 34	3,713 88
21,678 05	4,772 22	8,672 80	992 32	2,136 47	1,111 08	17,684 89	3,993 16
6,492 42	1,904 53	2,324 86	297 69	534 07	227 77	5,288 92	1,203 50
2,252 82	575 22	1,263 66	99 22	320 46	166 66	2,425 22	*172 40
143,994 60	62,768 63	15,913 92	2,781 12	17,480 58	19,456 87	118,401 12	25,593 48
101,761 93	33,854 60	25,480 05	2,230 15	10,719 62	9,626 70	81,911 12	19,850 81
110,487 69	34,912 91	27,669 62	5,637 68	9,981 12	7,292 93	85,494 26	24,993 43
83,651 48	46,383 39	4,428 23	135 74	10,825 85	6,452 98	68,226 19	15,425 29
104,233 07	39,749 37	28,267 81	9,672 93	8,946 10	10,268 99	96,905 20	7,327 87
80,062 28	25,149 35	18,165 28	5,721 55	15,438 88	6,625 00	71,100 06	8,962 22
83,345 26	23,921 75	18,467 06	7,571 54	3,298 82	9,960 00	63,219 17	20,126 09
62,195 33	18,453 02	19,913 48	8,008 35	2,367 43	5,800 32	54,542 60	7,652 73
48,637 04	16,564 60	17,296 70	979 01	8,203 89	2,781 70	45,825 90	2,811 14
74,346 58	25,310 90	19,849 81	1,682 47	9,769 97	5,873 34	62,486 49	11,860 09

TABLE
OPERATING STATISTICS OF TELEPHONE
CLASS "B"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Exchange	Toll	Rentals	Miscellaneous
Attica.....	Attica Telephone Co.....	\$15,914 02	\$4,098 89		\$110 30
Brookville.....	Brookville Telephone Co.....	14,936 45	3,050 72		474 86
West Lebanon.....	Cadwallader Telephone Co.....	21,070 99	4,870 43		438 08
Delphi.....	Carroll Telephone Co.....	16,805 35	3,113 64		261 00
Cambridge City.....	Citizens Telephone Co.....	36,929 34	5,876 12	\$1,398 00	26 57
Columbus.....	Citizens Telephone Co.....	42,726 58	3,203 16		640 71
Decatur.....	Citizens Telephone Co.....	43,117 33	15,216 00		946 25
Fairmount.....	Citizens Telephone Co.....	15,158 05	3,582 84		136 50
Brazil.....	Citizens Tel. Co. of Clay County	58,838 70	10,724 11		196 00
Warsaw.....	Commercial Telephone Co.....				
Connersville.....	Connersville Telephone Co.....	54,133 99	7,314 64		
Danville.....	Consolidated Telephone Co.....	27,822 28	9,157 27		822 38
Crown Point.....	Crown Point Telephone Co.....	19,852 75	3,524 66		91 75
Greensburg.....	Decatur Co. Independent Tel.Co.	51,080 04	4,003 07		490 60
Huntingburg.....	Dubois Co. Telephone Co.....	46,478 93	2,901 90		603 26
North Manchester.....	Eel River Telephone Co.....	18,694 92	6,406 55		704 73
Corydon.....	Eureka Telephone Co.....	No data.			
Columbia City.....	The Whitley County Tel. Co.....	27,802 56	5,765 64		
Flora.....	Flora Telephone Co.....	14,571 73	2,257 92		434 25
Covington.....	Fountain Telephone Co.....	10,082 85	2,543 95		301 71
Franklin.....	Franklin Telephone Co.....	37,305 06	4,421 08		
Garrett.....	Garrett Telephone Co.....	22,811 66	1,968 23		656 19
Greencastle.....	Greencastle Telephone Co.....	18,997 65	3,367 49		72 52
Greenfield.....	Greenfield Telephone Co.....	21,136 32	5,634 05		548 37
Angola.....	Steuben County Telephone Co.....	See Class "A"			
Bremen.....	Home Telephone Co.....	11,609 98	1,515 54		
Noblesville.....	Home Telephone Co.....	28,422 07	4,248 44		68 50
Portland.....	Home Telephone Co.....	39,827 23	3,572 64		142 60
Atwood.....	Home Mutual Tel. Co. of Stony Point, Ind.	21,292 27	2,606 63		566 99
Salem.....	Hoosier Telephone Co.....	See Seymour	combined report.		
Huntington, R.R. 5.....	Majenica Telephone Co.....	6,874 39	1,988 25		313 50
Clinton.....	Ind. Tel. and Teleg. Co.....	39,132 95	6,807 81		1,107 86
Rensselaer.....	Jasper County Tel. Co.....				
Dunkirk.....	Citizens Telephone Co.....	10,045 00	799 44		
Edinburg.....	Citizens Telephone Co.....	13,150 03	994 19		229 52
Knightstown.....	Knightstown Telephone Co.....	15,480 11	3,315 66		405 60
Lafontaine.....	Lafontaine Telephone Co.....	10,168 75	1,030 35	60 00	28 05
Lebanon.....	Lebanon Telephone Co.....	33,993 50	3,833 58		472 75
Liberty.....	Liberty Telephone Co.....	18,003 96	2,477 76		
Madison.....	Madison Telephone Co.....	35,410 94	6,329 29		1,122 40
Martinsville.....	Martinsville Telephone Co.....	22,375 90	2,684 21		265 24
Mitchell.....	Mitchell Telephone Co.....	15,655 91	3,515 18		
Monticello.....	Monticello Telephone Co.....	22,629 45	6,890 81		1,059 71
Nappanee.....	Nappanee Telephone Co.....	14,419 78	3,824 45		57 35
Linton.....	New Home Telephone Co.....	See Class "A"			
Albion.....	Noble County Telephone Co.....	14,312 38	1,252 38		132 50
Rising Sun.....	Ohio River Telephone Co.....	20,408 98	5,963 76		
Rockville.....	Parke County Telephone Co.....	19,005 10	4,325 18		381 97
Petersburg.....	Pike County Telephone Co.....	38,846 82	5,391 32		1,029 10
Princeton.....	Princeton Telephone Co.....	31,402 39	2,828 95		343 02
Carthage.....	Ripley Farmers' Co-op. Tel. Co.	17,477 79	777 57		
Rochester.....	Rochester Telephone Co.....	25,337 88	10,588 85		388 50
Rushville.....	Co-operative Telephone Co.....	34,890 05	4,020 59		
Seymour.....	Hoosier Telephone Co.....	30,662 52	1,084 03		121 00
Argos.....	Argos Telephone Co.....	11,366 48	919 29		
Butler.....	Butler Telephone Co.....	11,277 40	1,140 17		60 00
Albany.....	Co-operative Telephone Co.....	13,044 07	1,376 07		
Sheridan.....	Central Indiana Telephone Co.	12,420 03	2,371 52		377 20
Burket.....	Farmers' Co-operative Tel. Co.	22,277 19	2,830 22	355 00	
Columbia City.....	Farmers' Mutual Tel. Co.....	24,764 51		50 00	230 10
Monroeville.....	Home Telephone Co.....	10,910 26	476 97		406 15
Sullivan.....	Sullivan Telephone Co.....	24,512 91	19,197 13		
Aurora.....	Southern Indiana Telephone Co.	32,839 52	12,865 41		80 00
Tipton.....	The Tipton Telephone Co.....	24,830 46	5,581 79		19 73
Union City.....	The Union City Telephone Co.....	34,159 90	3,311 30		
Goodland.....	Western Indiana Telephone Co.	8,680 15	2,984 52		219 50

*Indicates deficit.

IX.

UTILITIES—CALENDAR YEAR, 1921

TELEPHONE

Total	Operating Expenses					Total	Net Operating Revenues
	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Uncollectible Accounts		
\$20,123 21	\$5,995 89	\$5,107 59	\$1,662 45	\$1,783 37	\$1,581 11	\$16,130 41	\$3,992 80
18,462 03	7,501 49	3,163 40	70 00	3,351 68	1,063 50	15,150 07	3,311 96
26,379 50	8,313 82	10,104 30	3,541 11	3,703 59	1,591 04	27,253 86	*874 36
20,179 99	7,480 29	5,596 04	1,387 50	3,490 13	938 13	18,892 09	1,287-90
44,230 03	12,025 45	11,632 46	1,127 61	7,669 74	2,510 33	34,965 59	9,264 44
46,570 45	18,848 18	15,077 42	6,001 66	3,523 05	3,780 00	47,230 31	*659 86
59,279 58	24,804 13	15,975 68	2,382 53	3,958 59	3,928 16	51,049 09	8,230 49
18,877 39	7,127 58	6,933 33	950 68	2,113 47	1,409 15	18,534 21	343 18
69,758 81	26,899 82	14,171 88	6,100 27	3,228 70	9,536 89	59,937 56	9,821 25
61,448 63	23,398 82	16,257 10	1,341 21	7,241 01	2,519 05	50,757 19	10,691 44
37,801 93	17,479 06	13,023 41	4,082 67	4,607 81	3,335 00	42,527 95	*4,726 02
23,468 16	7,731 35	11,942 85	2,036 56	255 58	1,258 75	23,225 09	244 07
55,573 71	18,582 80	12,313 32	2,026 17	4,643 72	4,422 90	41,988 91	13,584 80
49,984 09	18,744 36	13,291 44	706 31	3,807 86	3,337 33	39,887 30	10,096 79
25,806 20	12,529 38	5,448 89	.....	5,404 26	2,728 02	26,110 55	*304 35
33,568 20	10,785 61	11,393 56	2,221 27	3,030 50	2,837 22	30,268 16	3,300 04
17,263 90	5,057 73	4,646 10	91 60	3,847 77	1,256 24	14,899 44	2,364 46
12,928 51	2,614 60	2,634 38	358 00	1,931 13	956 50	8,494 61	4,433 90
41,726 14	15,760 51	12,127 70	485 64	5,581 25	3,712 77	37,667 87	4,058 27
25,436 08	8,698 75	6,741 65	2,377 02	1,368 97	1,892 82	21,079 21	4,356 87
22,437 66	6,824 68	6,436 54	2,639 83	3,911 47	1,722 45	21,534 97	902 69
27,318 74	8,396 56	8,015 97	1,857 87	1,822 88	1,963 36	22,056 64	5,262 10
13,125 52	4,008 39	3,209 00	262 20	2,008 44	260 00	9,748 03	3,377 49
32,739 01	9,470 00	9,434 16	3,097 17	2,884 66	2,841 65	27,727 64	5,011 37
43,542 47	13,590 47	9,346 64	930 22	6,152 77	2,850 90	32,871 00	10,671 47
24,465 89	8,467 34	6,381 50	163 03	3,433 20	1,330 62	19,775 69	4,690 20
9,176 14	6,289 15	4,087 45	181 15	1,057 21	1,122 38	12,737 34	*3,561 20
47,048 62	17,040 38	15,106 08	5,954 63	6,902 02	5,962 16	50,965 27	*3,916 65
10,844 44	4,005 41	3,817 98	397 50	795 80	302 00	9,318 69	1,525 75
14,373 74	5,124 43	4,274 74	1,925 33	670 14	885 50	12,880 14	1,493 60
19,201 37	5,070 42	4,827 25	731 99	4,124 43	788 01	15,632 10	3,569 27
11,287 15	3,974 65	4,792 43	39 25	2,336 04	1,108 60	12,250 97	*963 82
38,299 83	14,397 88	11,222 48	1,254 08	6,744 46	3,024 00	36,642 90	1,656 93
20,481 72	8,657 94	4,566 79	184 14	2,403 99	1,289 22	17,102 08	3,379 64
42,862 63	14,491 09	10,857 43	1,708 12	3,572 85	4,071 74	34,701 23	8,161 40
25,325 35	11,992 08	6,551 07	3,225 43	1,393 86	2,824 73	25,987 17	*661 82
19,171 09	5,930 20	5,959 42	1,435 08	3,500 06	1,600 09	18,424 85	746 24
30,579 97	8,424 14	6,794 82	1,800 99	3,343 99	1,650 00	22,013 94	8,566 03
18,311 58	5,672 25	4,230 26	795 20	2,601 89	934 19	14,233 79	4,077 79
15,697 26	4,897 60	5,230 22	369 24	1,358 54	853 47	12,709 07	2,988 19
26,372 74	9,536 93	5,836 94	106 59	4,571 22	2,384 16	22,482 84	3,889 90
23,712 25	10,086 82	8,665 10	3,497 41	2,524 88	3,180 00	27,954 21	*4,241 96
45,267 24	15,763 89	9,495 93	2,450 94	4,761 97	3,529 37	36,002 10	9,265 14
34,574 36	13,252 58	8,682 72	1,406 24	4,816 21	2,691 08	30,848 83	3,725 53
18,255 36	8,172 16	4,601 40	44 26	2,465 06	1,263 18	16,546 06	1,709 30
36,315 23	8,215 98	7,549 64	2,383 39	3,724 12	3,077 71	24,950 84	11,364 39
38,910 64	21,988 46	6,407 71	.....	5,291 13	2,882 95	36,570 25	2,340 39
31,867 55	10,544 89	9,219 18	1,512 52	4,009 12	3,100 00	28,385 71	3,481 84
12,285 77	3,136 07	3,132 19	839 95	1,381 73	590 38	9,080 32	3,205 45
12,477 67	4,627 11	2,804 96	650 32	1,667 34	448 90	10,198 63	2,278 94
14,420 14	5,279 16	3,207 58	2,195 89	735 90	1,140 00	12,558 53	1,861 61
15,168 75	5,221 51	3,324 65	1,627 49	1,784 62	977 18	12,935 45	2,233 30
25,462 41	6,776 88	7,620 36	2,179 90	3,238 20	248 74	20,064 08	5,398 33
25,044 61	26,409 85	9,385 61	126 89	3,568 81	1,533 92	41,025 08	*15,980 47
11,793 38	5,159 05	2,215 11	363 82	1,833 15	397 00	9,968 13	1,825 25
43,710 04	10,779 27	10,372 00	2,638 33	4,468 51	4,274 43	32,532 54	11,177 50
45,784 93	11,010 72	12,323 00	2,596 30	5,959 65	2,765 44	34,655 11	11,129 82
30,431 98	6,958 36	7,967 84	192 71	3,889 41	2,486 43	21,494 75	8,937 23
37,471 20	13,860 03	9,719 02	1,465 55	2,724 26	2,262 33	30,081 19	7,440 01
11,884 17	3,719 95	3,587 51	968 86	654 25	697 78	9,628 35	2,255 82

TABLE
OPERATING STATISTICS OF WATER
CLASS "A"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial and Industrial	Municipal Fire Hydrants	Miscellaneous	Total
MUNICIPALLY OWNED					
Anderson	Anderson Water Works	\$71,423 50	\$13,228 14	\$13 37	\$84,665 01
Evansville	Evansville Water Works	212,337 87	17,380 00		229,717 87
Fort Wayne	Fort Wayne Water Works	201,047 36	36,548 71	1,520 00	239,116 07
Hammond	Hammond Water Works				
Huntington	Huntington Water Works	54,017 63	14,547 20	3,031 04	71,595 87
Lafayette	Lafayette Water Works	107,627 73	18,985 00	1,262 27	127,875 00
Laporte	Laporte Water Works	46,845 77	10,552 25		57,398 02
Logansport	Logansport Water Works	79,318 65	13,738 15	1 00	93,057 80
Marion	Marion City Water Works	56,774 95	8,000 00	814 69	65,589 64
Michigan City	Michigan City Water Works	43,004 31			43,004 31
Mishawaka	City Water and Light Co.	34,463 09	12,087 43	737 17	47,287 69
Peru	Peru Water Works	34,539 39	13,497 17	1,314 02	49,350 58
South Bend	City Water Works	174,273 38	44,366 66	13,175 86	231,815 90
PRIVATELY OWNED					
East Chicago	E. Chicago & Ind. Harbor W. Co.	171,275 30	37,496 51	5,228 29	214,000 10
Elkhart	Elkhart Water Co.	72,230 59	16,384 02	224 92	88,839 53
Elwood	Elwood Water Co.	26,524 37	8,195 77		34,720 14
Gary	Gary Heat, Light and Water Co.	197,494 67	33,468 53	3,284 22	234,247 42
Indianapolis	Indianapolis Water Co.	1,309,492 81	223,124 87	17,687 85	1,550,305 53
Jeffersonville	Jeffersonville Water, L. & P. Co.	34,903 45	9,328 86	53 00	44,285 31
Kokomo	Kokomo Water Works	94,035 76	17,290 08	311 20	111,637 04
Muncie	Muncie Water Works Co.	120,867 30	21,044 27	808 12	142,719 69
New Albany	Interstate Public Service Co.	107,156 06	14,018 51	233 61	121,408 18
Richmond	Richmond City Water Works...	94,182 14	25,357 98	5,171 36	124,711 48
Terre Haute	Terre Haute Water Works Co...	248,250 99	63,953 27	1,324 12	313,528 38
Vincennes	Vincennes Water Supply Co. ...	64,922 92	17,425 30	60 51	82,408 73

*Indicates deficit.

IX.

UTILITIES—CALENDAR YEAR 1921
WATER

Operating Expenses							Net Operating Revenue
Pumping	Distribution	Commercial	General and Undistrib'd	Depreciation	Taxes	Total	
\$28,941 07	\$6,922 74	\$1,719 36	\$8,530 11	\$4,831 44		\$50,944 72	\$33,720 29
113,495 56	23,437 75	4,882 52	27,519 75	18,000 00		187,335 58	42,382 29
64,852 61	28,198 99	10,321 21	27,457 32	13,041 36		143,871 49	95,244 53
34,983 84	5,823 73	682 16	3,734 62	7,500 00		52,724 35	18,871 52
68,813 50	6,198 42	2,063 79	8,951 56	5,000 00		91,027 27	36,847 73
32,927 98	513 25	260 45	4,228 90	3,900 00		41,830 58	15,567 44
47,646 78	7,265 10	23 20	6,757 89	8,625 00		70,317 97	22,739 83
39,893 83	2,935 98	463 95	3,075 57			46,369 33	19,220 31
39,199 23	873 00	472 82	5,811 02			46,356 07	*3,351 76
20,137 19	3,433 27	404 61	4,214 08	9,184 84		37,373 99	9,913 70
29,533 56	2,689 86	634 40	3,847 88	6,051 12		42,756 82	6,593 76
51,048 25	21,427 41	6,736 48	28,582 94	58,104 42		165,899 50	65,916 40
59,716 99	11,281 71	5,701 84	30,937 47	12,312 50	15,907 69	135,858 20	78,141 90
28,441 50	1,286 35	806 75	11,755 41	15,000 00	12,640 65	69,930 66	18,908 87
11,055 74	2,832 97	450 78	5,936 36	1,404 00	5,975 93	27,635 78	7,084 36
30,293 96	20,740 85	4,977 34	33,204 31	65,429 46	38,764 16	193,410 08	40,837 34
254,560 54	50,952 89	8,180 54	122,385 92	83,158 00	245,784 08	765,021 97	785,283 56
17,958 22	3,576 35	303 65	5,260 22	6,214 20	8,215 88	41,528 52	2,756 79
17,649 35	10,024 53	5,854 16	17,023 82	4,959 96	11,243 13	66,754 95	44,882 09
28,184 31	4,030 72	3,695 28	15,168 89	5,393 04	20,530 29	77,002 53	65,717 16
31,181 91	5,181 28	4,998 32	14,250 89	2,346 04	9,918 63	67,877 07	53,531 11
23,400 78	7,896 32	4,427 26	13,961 88	18,037 87	15,068 73	82,792 84	41,918 64
54,467 86	13,352 73	8,086 10	41,686 81	13,599 06	50,335 45	181,528 01	132,000 37
20,825 21	3,777 49	3,670 48	9,673 79	3,945 30	10,790 89	52,683 16	29,725 57

TABLE
OPERATING STATISTICS OF WATER
CLASS "B"

Location	NAME OF UTILITY	Gross Operating Revenues			
		Commercial and Industrial	Municipal Fire Hydrants	Miscel- laneous	Total
MUNICIPALLY OWNED					
Alexandria	Alexandria Water Works	\$6,399 99			\$6,399 99
Attica	City Light and Water Plant	8,886 07	\$2,760 00		11,646 07
Auburn	Auburn Water and Elec. Works	17,445 82	2,498 29		19,944 11
Bedford	Bedford Water Works	45,108 57	7,057 85	\$1,421 32	53,587 74
Bloomington	City Water Works				
Bluffton	Bluffton Water Works	11,292 19	9,811 72	12 70	21,116 61
Boonville	Boonville Water Works	10,965 12	2,298 98		13,264 10
Brazil	Brazil Water Works	25,187 11	7,428 76	307 21	32,923 08
Clinton	Clinton Water Works	26,275 15	9,199 69	951 53	36,426 37
Columbia City	Columbia City Water Works	11,852 53	3,167 50		15,020 03
Columbus	Columbus Water Plant	38,364 59	9,858 42		48,223 01
Connerville	City Water Works	22,747 06	5,124 99	40 56	27,912 61
Decatur	Decatur Light and Power Plant	15,092 91	7,800 00		22,892 91
Dunkirk	Dunkirk Water Works	5,216 38	1,600 00		6,816 38
Garrett	Water Works Department	11,891 66	1,574 68	26 24	13,492 58
Goshen	City Light and Water Works	29,275 43	9,570 10	30 38	38,875 91
Gas City	Municipal Water Plant				
Greenfield	Greenfield Water Works	11,716 63	3,188 00	4 15	14,908 78
Hartford City	Hartford City Water Works	19,904 45	118 00	156 75	20,179 20
Kendallville	Water Works Department	10,047 55	4,160 00		14,207 55
Lebanon	Lebanon Water Works	24,221 34	9,351 50	269 36	33,842 20
Madison	Madison Water Works	12,066 01			12,066 01
Martinsville	Martinsville Water Supply Co.	10,824 15	4,347 00		15,171 15
Mitchell	Mitchell Water Works				
New Castle	New Castle Water and L. Plant	42,649 61	6,878 09	32 50	49,560 20
Plymouth	Municipal Water Works	9,340 29		127 64	9,467 93
Portland	Municipal Water Works				
Rochester	Rochester City Water Works	7,923 43	2,775 00	2,138 64	12,837 07
Rushville	Municipal Water Works	14,421 79	4,583 26	1,196 95	20,202 00
Tell City	Tell City Water Works	9,377 52	3,000 00	149 16	12,526 68
Tipton	Tipton Water Works				
Union City	Union City Water Works	13,823 65	680 03		14,503 68
Whiting	City of Whiting Water Dept.	33,909 50		284 05	34,193 55
Linton	Linton Municipal Water Co.	22,198 76	6,986 72	278 29	29,463 77
PRIVATELY OWNED					
Aurora	Interstate Public Service Co.	17,734 00	4,912 56		22,646 56
Bicknell	Bicknell Water Works	16,313 11	4,200 00	178 22	20,691 33
Crawfordsville	Northern Ind. Gas and Elec. Co.	45,096 55	13,620 00		58,716 55
Frankfort	Frankfort Water Works	39,409 70	10,739 46	1,528 58	51,677 74
Franklin	Franklin Water L. and P. Co.	14,651 99	5,600 00		20,251 99
Greencastle	Greencastle Water Works	33,287 65	7,328 49	1,466 10	42,082 24
Greensburg	Greensburg Water Co.	28,112 23	9,020 00	37 00	37,169 23
Jasonville	Wabash Valley Electric Co.	1,130 00	2,499 96		3,629 96
Lawrenceburg	Lawrenceburg Water Co.	2,204 10			2,204 10
Mt. Vernon	Mt. Vernon Water Works	29,934 29	7,240 47	198 94	37,373 70
Noblesville	Noblesville W. and Light Co.	14,547 22	5,914 00	396 96	20,858 18
Princeton	Princeton W. and Light Co.	39,034 72	7,807 00	109 88	46,951 60
Seymour	Seymour Water Co.	30,715 54	9,602 93	175 71	40,494 18
Shelbyville	Interstate Public Service Co.	26,348 75	4,590 00		30,938 75
Sullivan	Sullivan County Water Co.	13,232 34	11,538 87		24,771 21
Valparaiso	Valparaiso Home Water Co.	33,228 17	8,150 00		41,378 17
Wabash	Wabash Water and Light Co.	34,359 96	11,610 00		45,969 96
Warsaw	Winona Elec. Water and L. Co.				
Washington	Washington Water, L. and P. Co.	40,750 81	11,414 69	259 20	52,424 70
West Lafayette	W. Lafayette Water Works	30,545 28	2,465 00	227 85	33,238 13
Winchester	Citizens Heat, L. and Power Co.	9,738 63	3,970 24		13,708 87
Fowler	Interstate Public Service Co.	8,959 15	2,499 96		11,459 11

*Credit. †Deficit.

IX.

UTILITIES—CALENDAR YEAR 1921
WATER

Operating Expenses							Net Operating Revenue
Pumping	Distribution	Commercial	General and Undistribut'd	Depreciation and Contingencies	Taxes	Total	
\$7,094 89	\$1,583 97		\$74 25			\$8,753 11	*2,353 12
6,873 74	1,679 82	\$170 30	695 00			9,418 86	2,227 21
16,162 17	77 19	32 37	652 52	\$600 00		17,524 25	2,419 86
36,940 15	3,349 70	1,426 07	2,196 08	1,800 00		45,712 00	7,875 74
13,665 49	2,367 86	147 47	2,360 01	2,391 84		20,932 67	183 94
3,600 00	2,222 12	531 77	702 73			7,056 62	6,207 48
15,947 68	3,068 55	504 74	1,379 95	2,973 72		23,874 64	9,048 44
11,942 17	1,184 71		3,604 13	2,700 00		19,431 01	16,995 36
8,346 63	393 24	64 77	227 40			9,032 04	5,987 99
21,372 42	2,372 37	97 13	837 03			24,678 95	23,544 06
29,105 90	6,549 85	517 11	2,493 22	547 07		39,213 15	*11,300 54
13,098 62	2,661 97	142 00	1,624 05	5,291 92		22,818 56	74 35
3,924 54	1,767 09	155 85	429 59	406 80		6,683 87	132 51
10,770 15	326 45	287 68	936 72			12,321 00	1,171 58
20,944 52	3,744 42	558 21	3,058 97	8,332 99		36,639 11	2,236 80
10,019 92	2,427 71	124 15	1,521 49	250 00		14,343 27	565 51
8,500 17	1,109 45	182 18	897 98			10,689 78	3,517 77
18,524 25	2,257 20	139 00	3,315 93			24,236 38	9,605 82
9,438 16	3,557 48		632 03			13,627 67	*1,561 66
9,206 58	1,168 77					10,375 35	4,795 80
23,833 50	1,377 82	217 68	4,513 30	3,186 39		33,128 69	16,431 51
2,156 85	3,285 22		2,383 16			7,825 23	1,642 70
3,679 94	2,122 45	55 22	1,234 53	794 03		7,886 17	4,950 90
17,706 28	1,737 74		325 55			19,769 57	432 43
9,713 65	519 89	114 50	359 19	480 00		11,187 23	1,339 45
8,287 46	1,617 91	334 33	1,682 85	903 22		12,825 77	1,677 91
49,321 51	1,510 53		13,516 11			64,348 15	*30,154 60
14,644 28	691 44		3,173 14	1,668 78		20,177 64	9,286 13
11,391 25	3,205 85	636 70	1,628 92	16 21	1,344 00	18,222 93	4,423 63
8,582 69	716 03	826 29	2,735 25	850 00	12 76	13,723 02	6,968 31
18,393 96	3,257 46	3,346 97	2,303 14	3,760 56	6,246 98	37,309 07	21,407 48
17,976 44	3,864 15	322 42	8,321 42	3,250 20	7,347 67	41,082 30	10,595 44
6,841 52	1,423 03	1,118 37	1,874 84	1,109 36	1,465 51	12,613 91	7,638 08
13,264 07	3,226 84	3,023 88	4,241 17	1,761 84	3,935 60	29,453 40	12,628 84
13,038 47	1,008 84	335 50	2,961 10	1,800 00	6,997 01	26,140 92	1,028 31
1,685 37	221 54	72 47	365 60	1,887 25	720 00	4,952 23	*1,322 27
600 00	38 83	185 59	229 79		142 94	1,197 15	1,006 95
14,856 75	710 45	1,096 40	4,011 44	1,332 00	5,258 79	27,265 83	10,107 87
9,408 25	1,145 41	55 70	2,908 41		2,924 44	16,442 21	4,415 97
22,467 58	2,249 21	465 29	7,417 75	2,846 20	6,535 61	41,981 64	4,969 96
10,516 46	1,447 34	10 00	10,809 54	2,518 92	3,643 86	28,946 12	11,548 06
13,066 12	1,732 71	810 83	2,195 94	1767 18	2,775 35	19,813 77	11,124 98
7,315 39	2,451 85	27 25	6,707 56	3,293 66	4,398 71	24,194 42	576 79
18,803 50	1,852 02	153 00	6,672 03	3,682 47	828 96	31,991 98	9,386 19
9,950 35	4,405 58	557 30	5,859 99			20,773 22	25,196 74
21,865 70	2,029 20	1,017 72	4,714 42	2,512 33	6,154 48	38,293 85	14,130 85
11,975 70	636 06	1,138 61	5,837 22	1,023 96	2,736 39	23,347 94	9,890 19
4,093 82	1,411 76	155 23	1,368 70	2,514 75	1,279 68	10,823 94	2,884 93
6,549 72	632 16	504 21	974 68	23 55	684 00	9,368 32	2,090 79

TABLE
REVENUES AND EXPENSES
CLASS "A". ELECTRIC

Location	NAME OF UTILITY	K. W. H. Generated and Purchased	K. W. H. Sold	Gross Operating Revenue per K. W. H. Sold	Salaries
MUNICIPALLY OWNED					
Anderson.....	Municipal Light and Power Plant.....	10,918,300	8,147,627	.04961	.00113
Fort Wayne.....	Municipal Light Plant.....	13,847,500	11,988,352	.04132	.00238
Huntington.....	Municipal Electric Light Plant.....				
Logansport.....	Municipal Electric Light Plant.....	8,046,316	6,014,069	.05304	.0011
Marion.....	Municipal Electric Light Plant.....				
Mishawaka.....	Municipal Electric Light Plant.....	2,583,748	2,205,586	.05391	.0024
Peru.....	Municipal Electric Light & Power Plant.....	3,765,742	2,789,516	.05954	
Richmond.....	Municipal Electric Light & Power Plant.....	14,367,890	11,431,345	.04192	.0002
PRIVATELY OWNED					
Aurora.....	Indiana Public Service Co.....				
Whiting.....	Northern Indiana Gas & Electric Co.....	See Combined	report—Hammond.		
Hammond.....	Northern Indiana Gas & Electric Co.....	58,407,920	48,950,410	.02982	
Lafayette.....	Northern Indiana Gas & Electric Co.....	8,943,042	7,272,301	.06065	
Michigan City.....	Northern Indiana Gas & Electric Co.....	10,902,741	8,909,294	.03948	
East Chicago.....	Northern Indiana Gas & Electric Co.....	See Combined	report—Hammond.		
Elkhart.....	Indiana and Michigan Electric Co.....	See Combined	report—South Bend.		
Mishawaka.....	Indiana and Michigan Electric Co.....	See Combined	report—South Bend.		
South Bend.....	Indiana and Michigan Electric Co.....	105,593,490	86,109,100	.02725	
Elwood.....	Indiana General Service Co.....	See Combined	report—Muncie.		
Marion.....	Indiana General Service Co.....	See Combined	report—Muncie.		
Muncie.....	Indiana General Service Co.....	64,299,100	47,629,446	.03607	.0075
Evansville.....	Southern Ind. Gas & Elec. Co.....	26,793,201	24,157,888	.03166	.0021
Fort Wayne.....	Indiana Service Corporation.....	28,414,132	24,236,645	.03690	.00080
Gary.....	Calumet Electric Co.....	11,126,039	10,256,221	.01709	.00480
Gary.....	Gary Heat Light and Water Co.....	12,722,769	10,384,882	.05808	.0045
Huntington.....	Huntington Light and Fuel Co.....	6,364,040	5,060,516	.04143	.017
Indianapolis.....	Indianapolis Light and Heat Co.....	108,829,278	82,842,451	.03980	.0016
Indianapolis.....	Merchants Heat and Light Co.....	74,091,500	63,796,275	.03095	.0017
Jeffersonville.....	Interstate Public Service Co.....	3,703,504	2,895,227	.04261	.0023
New Albany.....	Interstate Public Service Co.....	4,617,544	3,638,828	.05070	.0036
Kokomo.....	Indiana Railways and Light Co.....	15,501,346	12,826,955	.04366	
Laporte.....	Laporte Gas and Electric Co.....	5,070,652	4,086,275	.06126	.0027
Logansport.....	Logansport Utilities Co.....		560,316	.04500	.00260
Terre Haute.....	Terre Haute, Indianapolis and Eastern Traction Co.....	48,248,015	25,662,897	.03826	
Vincennes.....	Indiana Power Co.....	4,539,355	3,553,336	.05991	
Williams.....	Southern Indiana Power Co.....	19,756,396	15,751,555	.02444	.0003
Columbus.....	Central Indiana Lighting Co.....				
Bloomington.....	Central Indiana Lighting Co.....	3,414,121	2,875,270	.05047	.0022
Shelbyville.....	Interstate Public Service Co.....	2,685,485	1,990,872	.05553	.0026
New Castle.....	Interstate Public Service Co.....	2,969,921	1,992,435	.05762	.0028
Monticello.....	Interstate Public Service Co.....	4,047,825	2,837,483	.06065	.0029
Noblesville.....	Noblesville Heat, Light & Power Co.....	2,941,595	1,866,377	.08459	.0044
	Maximum.....	108,829,278	82,842,451	.08459	.0075
	Minimum.....	2,583,748	560,316	.01709	.0002

†Credit.

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PER UNIT—CALENDAR YEAR 1921

PER K. W. H. SOLD

OPERATING EXPENSES

Classification I				Classification II				Depreciation and Taxes		Total	Net Operating Revenue per K. W. H. Sold
Wages	Materials	Fuel	Miscellaneous	Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes		
.00622	.00417	.01764	.00077	.02376	.00203	.00147	.00281	.00401	.....	.03408	.01553
.01083	.00228	.01105	.00208	.01802	.00212	.00471	.00394	.00050	.....	.02929	.01203
.01120	.00350	.01750	.00080	.02648	.00132	.00268	.00379	.00374	.....	.03801	.01503
.00680	.00300	.01760	.00030	.01828	.00558	.00248	.00376	.00573	.....	.03583	.01808
.....	.00830	.02550	.00300	.04129	.00254	.00119	.00345	.00284	.....	.05132	.00822
.01030	.00020	.01980	.00100	.02822	.00065	.00123	.00142	.00278	.....	.03430	.00762
.....
.....	.....	.....	.....	.01229	.00250	.00219	.00141	.00103	.00117	.02059	.00923
.....	.....	.....	.....	.03080	.00358	.00379	.00370	.00541	.00250	.04978	.01087
.....	.....	.....	.....	.02340	.00284	.00167	.00193	.00174	.00222	.03380	.00568
.....
.....	.....	.00390	.00260	.00783	.00193	.00146	.00268	.00232	.00267	.01889	.00836
.....
.06910	.02870	.....	.00260	.01477	.00294	.00268	.00160	.00060	.00458	.02717	.00890
.00020	.00090	.00910	.00100	.00920	.00191	.00140	.00110	.00298	.00261	.01920	.01246
.00841	.00163	.00732	.00042	.01215	.00204	.00169	.00299	.00247	.00233	.02367	.01323
.00632	.00142	.01064	.00651	.01064	.00067	.00004	.00125	.00128	.00066	.01454	.00255
.00230	.00070	.01000	.00250	.01008	.00342	.00165	.00503	.00419	.00863	.03300	.02508
.00180	.00050	.01840	.00290	.02549	.00094	.00095	.00490	.00277	.00175	.03680	.00463
.00520	.00190	.00800	.00260	.01342	.00231	.00255	.00177	.00662	.00393	.03060	.00920
.00206	.00270	.00940	.00370	.01371	.00119	.00262	.00273	.00233	.02253	.02257	.00838
.00470	.....	.02010	.00440	.02011	.00570	.00182	.00463	.00349	.00365	.03940	.00321
.00600	.....	.02000	.00570	.02206	.00434	.00456	.00602	.00391	.00418	.04507	.00563
.....	.....	.....	.....	.01486	.00147	.00171	.00327	.....	.....	.02131	.02235
.01120	.00310	.02210	.00380	.03298	.00198	.00188	.00644	.00341	.00257	.04926	.01200
.00968	.00361	.01326	.00342	.02914	.....	.....	.00345	.00300	.00148	.03707	.00793
.....	.....	.....	.....	.00969	.00505	.00225	.00479	.....	.00122	.02300	.01526
.....	.....	.....	.....	.01146	.00262	.00235	.00853	.....	.....	.02496	.03495
.00250	.....	.01240	.00280	.01629	.00108	.00020	.00102	† .00032	.00149	.01976	.00468
.....
.00480	.....	.02290	.00560	.02622	.00184	.00367	.00434	† .00040	.00397	.03964	.01083
.00620	.....	.02030	.00320	.02439	.00278	.00295	.00413	† .00144	.00523	.03804	.01749
.00950	.....	.02370	.00190	.02979	.00177	.00261	.00438	† .00007	.00234	.04082	.01680
.00710	.....	.01450	.01000	.01906	.00716	.00326	.00538	.00023	.00378	.03887	.02178
.01610	.01110	.02880	.00130	.04367	.00372	.00444	.01038	.00622	.00632	.07475	.00984
.....
.06910	.02870	.02880	.01000	.04367	.00716	.00471	.01038	.00662	.02258	.07475	.03495
.00020	.00020	.00730	.00030	.00783	.00065	.00020	.00102	† .00144	.00117	.01454	.00255

TABLE
REVENUES AND EXPENSES
CLASS "B." ELECTRIC

Location	NAME OF UTILITY	K. W. H. Generated and Purchased	K. W. H. Sold	Gross Operating Revenue per K. W. H. Sold	Salaries
MUNICIPALLY OWNED					
Attica.....	Municipal Light and Water Plant.....				
Auburn.....	Municipal Water and Electric Works.....	2,335,897	1,662,280	.04391	.0010
Bluffton.....	Bluffton Light and Water Works.....	2,552,550	2,110,034	.04518	.0019
Columbia City.....	Municipal Electric Light Department.....	1,287,670	684,846	.07974	
Crawfordsville.....	Municipal Electric Light & Power Plant.....				
Frankfort.....	Municipal City Light & Power Co.....	5,003,408	3,958,893	.04815	.0016
Garrett.....	Municipal Water & Light Department.....	756,494	594,513	.07992	
Gas City.....	Municipal Water and Light Co.....				
Goshen.....	City Electric Light & Water Works.....	1,234,820	1,013,200	.05996	.0028
Greenfield.....	Greenfield Electric Light Plant.....	702,300	482,689	.07935	.0025
Kendallville.....	Electric Light Department.....	1,738,610	1,503,030	.04647	.0012
Lawrenceburg.....	Lawrenceburg Electric Light Department.....				
Linton.....	Municipal Electric Light & Power Plant.....	917,370	743,896	.06794	.0016
Martinsville.....	Martinsville City Light Plant.....				
Mitchell.....	Municipal Light Plant.....				
New Castle.....	New Castle Water and Light Plant.....				
Portland.....	Municipal Electric Light Plant.....				
Rushville.....	City Water, Light & Power Plant.....				
Tell City.....	Tell City Electric Light Department.....	729,930	451,080	.05899	.0082
Tipton.....	Tipton Electric Light Plant.....	1,216,690	871,474	.07951	
Washington.....	Municipal Electric Works.....				
Decatur.....	Decatur Light & Power Plant.....	2,265,926			
PRIVATELY OWNED					
Alexandria.....	Indiana General Service Co.....	See Combined	report—Mun	cie, Class	"A."
Dunkirk.....	Indiana General Service Co.....	See Combined	report—Mun	cie, Class	"A."
Gas City.....	Indiana General Service Co.....	See Combined	report—Mun	cie, Class	"A."
Hartford City.....	Indiana General Service Co.....	See Combined	report—Mun	cie, Class	"A."
Bedford.....	Interstate Public Service Co.....	2,000,800	1,646,531	.05770	.0038
Lebanon.....	Interstate Public Service Co.....	1,531,110	1,248,547	.07519	.0030
Seymour.....	Jackson County Transmission Co.....				
Boonville.....	Boonville Electric Light & Power Co.....	529,240	513,650	.07968	.0069
Brazil.....	T. H. I. & E. Traction Co.....				
W. Terre Haute.....	T. H. I. & E. Traction Co.....				
Clinton.....	Wabash Valley Electric Co. (Combined).....	9,154,806	6,577,568	.05608	.0022
Connersville.....	Hydro-Electric Light & Power Co.....	5,264,741	4,052,692	.06050	.0039
Franklin.....	Interstate Public Service Co.....	1,541,942	1,019,031	.05503	.0027
Goshen.....	Hawks Electric Co. (System).....	7,155,274	5,516,695	.04176	.0019
Greencastle.....	Putnam Electric Co.....	1,003,519	774,681	.08230	.0023
Greensburg.....	Greensburg Gas & Electric Co.....	909,950	648,218	.06523	
Jasonville.....	Wabash Valley Electric Co.....	See General re	port—Clinton		
Seymour.....	Interstate Public Service Co.....	1,638,220	1,456,469	.04701	.0020
Madison.....	Madison Light and Railways Co.....	1,634,220	1,025,220	.07788	.0031
Martinsville.....	Martinsville Gas and Electric Co.....	1,930,015	1,329,745	.05276	.0067
Mt. Vernon.....	Mt. Vernon Electric Light & Power Co.....	782,220	633,087	.07172	
Plymouth.....	Plymouth Electric Light & Power Co.....	2,557,068	2,134,528	.06617	.0027
Princeton.....	Princeton Light & Power Co.....				
Rochester.....	United Public Service Co.....	1,749,512	1,448,830	.08066	.0068
Union City.....	Union City Electric Co.....	1,024,777	994,956	.05466	.0047
Valparaiso.....	Valparaiso Lighting Co.....	1,900,701	1,583,670	.06764	
Wabash.....	Wabash Water and Light Co.....	3,346,117	1,915,765	.07189	.0046
Warsaw.....	Winona Electric Light and Water Co.....	2,336,559	1,971,799	.06661	.0032
Winchester.....	Citizens Heat, Light & Power Co.....	809,864	506,691	.08119	.0046
Columbus.....	Interstate Public Service Co.....	2,464,210	1,782,791	.05792	.0024
Crown Point.....	Interstate Public Service Co.....	1,628,293	1,371,965	.05488	.0027
	Maximum.....	9,154,806	6,577,568	.08230	.0082
	Minimum.....	529,240	482,689	.04176	.0010

*Deficit.
†Credit.

PUBLIC SERVICE COMMISSION

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PER UNIT—CALENDAR YEAR 1921

PER K. W. H. SOLD

OPERATING EXPENSES

Classification I				Classification II				Depreciation and Taxes		Total	Net Operating Revenue per K. W. H. Sold
Wages	Materials	Fuel	Miscellaneous	Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes		
.00500	.00090	.01540	.00080	.02857	.00139	.00146	.00126	.00144		.03412	.00979
.00720	.00700	.01730	.00190	.02344	.00091	.00112	.00378	.00782		.03707	.00811
				.04628	.00272	.00270	.00299			.05469	.02505
.00730	.00540	.01720		.02545	.00172	.00104	.00252	.00380		.03453	.01362
	.00530	.02380	.00360	.03800	.00151	.00230	.00463			.04644	.03348
.00320	.00160	.01530	.00250	.01975	.00164	.00394	.00752	.00575		.04160	.01836
.01260	.00190	.04170	.00610	.05744	.00274	.00129	.00335	.00444		.06930	.01005
.00740	.00260	.02090		.02856	.00114	.00119	.00115			.03204	.01443
.00060	.00310	.02130		.03971	.00675	.00164	.00667			.05477	.01317
.01550	.01090	.01750	.00240	.03838	.00507	.00234	.00848	.00354		.05781	.00118
				.05237	.00569	.00167	.00632	.00474		.07079	.00872
.00540		.02420	.00550	.02628	.00442	.00367	.00572	.00085	.00567	.04491	.01279
.01090		.03700	.01020	.04919	.00236	.00341	.00777	.00079	.00561	.06755	.00764
.01880	.00390	.01070	.01030	.02706	.00514	.00228	.01640	.00401	.00833	.06322	.01645
.01000	.00190	.01460	.00590	.01988	.00266	.00338	.00831	.00722	.00379	.04524	.01085
.00680		.01610	.01120	.02706	.00148	.00224	.00597	.00699	.00209	.04583	.01467
.00420		.02050	.00520	.02051	.00379	.00415	.00508	.00030	.00397	.03720	.01783
.01160	.00030	.01040	.00250	.01647	.00225	.00212	.00613	.00468	.00210	.03375	.00801
.01200	.00550	.03740	.00250	.04088	.00476	.00196	.01213	.00788	.00310	.07071	.01159
				.03088	.00171	.00242	.00551	.00759	.00635	.05446	.01077
.00440		.01850	.00390	.02149	.00185	.00194	.00439	.00047	.00431	.03351	.01350
.01700	.00140	.02790	.00560	.04107	.00159	.00249	.01018		.00466	.05999	.01789
.00940	.01430	.02600	.00190	.02989	.00099	.00142	.00597	.00266	.00204	.04297	.00979
	.00290	.01810	.00940	.03349	.00256	.00610	.00996	.00379	.00432	.06022	.01150
.01270		.01860	.00710	.02870	.00212	.00163	.00914	.00542	.00546	.05247	.01370
.01090	.00310	.02540	.01150	.03570	.00332	.00284	.01671	.00476	.00433	.06766	.01300
.00230	.00290	.01450	.00150	.01466	.00245	.00176	.00782	.01048	.00312	.04029	.01437
		.02720		.02754	.00410	.00221	.00481	.00008	.00214	.04088	.02676
.01270	.00410	.02040	.00310	.03197	.00258	.00213	.00877	.00731	.00984	.06260	.00929
.00940	.00410	.02120	.00570	.03429	.00328	.00143	.00645	.00424	.00166	.05135	.01526
.01170	.00900	.01060	.00740	.02829	.00594	.00115	.00811	.02255	.00452	.07056	.01063
.00700		.02600	.00420	.02921	.00296	.00229	.00506	.00313	.00328	.04593	.01199
.00490		.01900	.00700	.02177	.00379	.00318	.00567	.00011	.00197	.03649	.01839
.07940	.01430	.04170	.01150	.05744	.00675	.00610	.01670	.02255	.00984	.07079	.03348
.00060	.00030	.01060	.00080	.01466	.00091	.00104	.00115	.00011	.00166	.03204	.00118

TABLE
REVENUES AND EXPENSES
CLASS "A." GAS, PER 1,000

Location	NAME OF UTILITY	Total Cubic Feet Generated (by thousands)	Total Cubic Feet Sold (by thousands)	Gross Operating Revenue per 1,000 Cubic Feet Sold	Salaries
Anderson.....	Central Indiana Gas Co.....	236,561	215,899	1.11260	.0482
East Chicago.....	Central Indiana Gas Co.....				
Elkhart.....	Elkhart Gas and Fuel Co.....	167,775	147,296	1.99588	.1120
Elwood.....	Central Indian/Gas Co.....		42,174	1.58964	.0623
Evansville.....	Southern Ind. Gas & Elec. Co.....	363,666	316,700	1.73631	.0215
Fort Wayne.....	Northern Ind. Gas and Electric Co.....	766,626	700,830	1.29748	
Gary.....	Gary Heat, Light and Water Co.....	436,139	392,811	.92792	.0943
Hammond.....	Northern Ind. Gas and Electric Co.....	554,322	493,641	1.37539	
Huntington.....	Huntington Light and Fuel Co.....	85,266	79,073	1.72279	.0718
Indianapolis.....	Citizens Gas Co.....	3,009,014	2,787,807	1.83818	.1205
Jeffersonville.....	Interstate Public Service Co.....	46,352	40,859	2.09315	.0882
Kokomo.....	Kokomo Gas and Fuel Co.....	224,275	197,078	.97182	.0799
Lafayette.....	Northern Ind. Gas and Electric Co.....	199,736	187,791	1.84562	
Laporte.....	Laporte Gas and Electric Co.....	75,867	68,657	2.09307	.0850
Logansport.....	Northern Ind. Gas and Electric Co.....				
Marion.....	Central Indiana Gas Co.....	173,376	150,555	1.37925	.0477
Michigan City.....	Northern Ind. Gas and Electric Co.....	128,630	113,701	2.04252	
Mishawaka.....	Northern Ind. Gas and Electric Co.....				
Muncie.....	Central Indiana Gas Co.....		949,970	.57612	.0148
New Albany.....	Interstate Public Service Co.....	90,860	81,412	2.05251	.1090
Peru.....	Peru Gas Company.....	72,841	69,362	1.54352	.0799
Richmond.....	Richmond, Light, Heat & Power Co.....	328,015	302,088	.71978	.0178
South Bend.....	Northern Ind. Gas and Electric Co.....	772,938	705,249	1.21775	
Terre Haute.....	Citizens Gas and Fuel Co.....	540,152	525,178	.86800	.0229
Vincennes.....					
	Maximum.....	3,009,014	2,787,807	2.09315	.1205
	Minimum.....	46,352	42,174	.57612	.0148

*Deficit.

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PER UNIT—CALENDAR YEAR 1921

CUBIC FEET OF GAS SOLD

OPERATING EXPENSES PER K. W. H. SOLD												Net Operating Revenue per 1,000 Cubic Feet Sold
Classification I				Classification II				Depreciation and Taxes		Total		
Wages	Material	Fuel or Gas Purchased	Miscellaneous	Production	Distribution	Commercial	General and Undistributed inc. Mun'l Ltg.	Depreciation	Taxes			
.16760	.03730	.41430	.10280	.52435	.12703	.06634	.06437	.....	.06524	.84733	.26527
.28750	.09890	.78690	.09740	1.12772	.08081	.03698	.13813	.....	.18412	1.56716	.42812
.21030	.04810	.69590	.17990	.87938	.16387	.08558	.08287	.....	.08416	1.29586	.29378
.32250	.09740	.53510	.36000	1.03857	.14843	.06514	.08875	.12662	.14837	1.61588	.12043	
.....	.....	.....	.....	.69167	.06078	.08826	.05390	.04281	.05142	.98884	.30864
.06410	.00460	.22180	.06060	.26394	.06023	.02313	.10765	.09903	.11236	.66634	.26158	
.....	.....	.....	.....	.66637	.12452	.12573	.04502	.03419	.06703	1.06286	.31253
.41300	.01790	.89470	.11090	1.24793	.07612	.04651	.16221	.10149	.09312	1.72738	*.00459	
.25030	.08610	.97380	.11030	1.50883	.09162	.04226	.04289	.01793	.10022	1.80375	.03443	
.59680	.....	.89360	.20200	1.43382	.15808	.04085	.17652	.07613	.13943	2.02483	.06832
.05610	.01560	.39830	.04170	.39830	.07410	.02080	.13138	.22769	.08074	.93301	.03881	
.....	.....	.....	.....	1.01811	.11649	.08064	.05658	.05829	.07804	1.40815	.43747
.44470	.03400	.88010	.07570	1.16719	.09888	.03188	.23621	.09322	.09115	1.71853	.37454	
.....	.....	.....	.....	.78280	.12554	.06557	.06360	.....	.06447	1.10198	.27727
.16110	.03680	.62040	.15980	1.37750	.13548	.11726	.06806	.06926	.11663	1.88419	.15833	
.....	
.04990	.01140	.33580	.01670	.35334	.03893	.02032	.01972	.....	.02000	.45231	.12381
.58120	.....	.89500	.14740	1.32874	.20772	.06359	.18130	.03964	.12593	1.94692	.10559
.05240	.01460	.70440	.11190	.76401	.06547	.13215	.05107	.05922	.11010	1.18202	.36150	
.05660	.00400	.37890	.00670	.38929	.02763	.02783	.05991	.03459	.10181	.64106	.07872	
.....	.....	.....	.....	.64070	.09013	.09103	.03666	.04064	.05071	.94987	.26788
.16210	.03490	.29690	.07420	.38095	.04886	.03312	.14108	.06188	.10773	.77362	.09438	
.....	
.58120	.09890	.97380	.36000	1.50883	.20772	.13215	.23621	.22769	.18412	2.02483	.42812	
.04990	.00400	.22180	.00670	.26394	.02763	.02080	.01972	.01793	.02000	.45231	*.00459	

TABLE
REVENUES AND EXPENSES PER
CLASS "B" GAS, PER 1,000 CUBIC

Location	NAME OF UTILITY	Total Cubic Feet Generated (By thousands)	Total Cubic Feet Sold (By thousands)	Gross Operating Revenue per 1,000 Cubic Feet Sold	Salaries
Alexandria	Central Indiana Gas Co.		28,025	1.52656	.0532
Aurora	Interstate Public Service Co.	5,867	4,068	3.14252	.0858
Auburn	Indiana Fuel and Light Co.	See combine	d report.	Ke	ndallville
Bedford	Interstate Public Service Co.	30,801	27,151	1.76586	.0598
Bloomington	Central Indiana Lighting Co.	52,684	47,868	1.06452	.0432
Bluffton	Northern Indiana Gas and Electric Co.				
Brazil	Brazil Gas Co.	20,144	17,296	2.81741	.0457
Columbus	Columbus Gas Light Co.	44,057	40,049	2.12116	
Connerville	Peoples Service Co.	46,820	37,553	2.20889	.1019
Fairmount	Central Indiana Gas Co.		24,533	.58604	.0283
Frankfort	Northern Indiana Gas and Electric Co.	96,695	90,696	.88207	
Franklin	Interstate Public Service Co.	13,973	11,721	2.23813	.0082
Garrett	Indiana Fuel and Light Co.	See combine	d report.	Ke	ndallville
Gas City	Central Indiana Gas Co.				
Goshen	Goshen Gas Co.	45,553	40,387	2.13754	.1795
Greencastle	Greencastle Gas and Electric Co.	13,056	11,245	2.32293	.1916
Greenfield	Interstate Public Service Co.	27,597	26,736	.89572	.0604
Hartford City	Central Indiana Gas Co.		50,760	.59116	.0231
Kendallville	Indiana Fuel and Light Co.	67,540	57,554	2.66927	
Lawrenceburg	Lawrenceburg Gas Co.				
Lebanon	Northern Indiana Gas and Electric Co.				
Linton	Linton Gas Co.				
Liberty	Liberty Gas, Light and Fuel Co.	4,670	3,909	2.41528	
Loogootee	Loogootee Gas Fuel Co.				
Madison	Madison Light and Fuel Co.				
Martinsville	Martinsville Gas and Electric Co.	13,948	12,797	1.67852	.0820
Middletown	Middletown Gas Co.	7,340	7,021	1.49480	.1211
New Castle	Interstate Public Service Co.	133,356	132,395	.56145	.0263
Noblesville	Indiana Gas Light Co.	47,442	37,558	1.76372	.1210
Normal City	Central Indiana Gas Co.				
Plymouth	Northern Indiana Gas and Electric Co.	18,476	17,313	1.79539	
Princeton	Princeton Utilities Co.	10,500	9,538	2.54839	.2526
Riverside	Central Indiana Gas Co.				
Rochester	Rochester Gas and Fuel Co.	17,236	15,222	2.40564	.0394
Selma	Selma Gas Co.				
Seymour	Interstate Public Service Co.	31,095	29,131	1.81527	.0550
Shelbyville	Interstate Public Service Co.	41,795	36,205	1.23445	.0574
Tipton	Indiana Gas Light Co.				
Union City	Union Heat, Light and Power Co.	See combine	d report.	W	inchester. r.
Valparaiso	Valparaiso Light Co.	40,144	36,587	2.44295	.0370
Wabash	Northern Indiana Gas and Electric Co.				
Washington	Washington Water, Light and Power Co.	21,503	18,313	1.53837	.0502
Warsaw	Warsaw Gas Co.	30,074	25,510	2.62609	.1989
Winchester	Union Heat, Light and Power Co.		41,880	1.32526	
Suburban	Central Indiana Gas Co.		192,340	.49868	.0004
Rushville	Rushville Natural Gas Co.				
Crawfordsville	Northern Indiana Gas and Electric Co.	54,888	46,838	2.07484	
Decatur	Northern Indiana Gas and Electric Co.				
Kokomo	Indiana Natural Gas and Oil Co.		241,164	.41465	.0664
	Maximum	133,356	241,164	3.1425	.2526
	Minimum	4,670	3,909	.4146	.0004

*Deficit.

†Credit.

X.

UNIT—CALENDAR YEAR, 1921

FEET OF GAS SOLD

OPERATING EXPENSES												Net Operating Revenue per 1,000 Cubic Feet Sold
Classification I.				Classification II								
Wages	Materials	Fuel or Gas Purchased	Miscellaneous	Production	Distribution	Commercial	General and Undistributed Including Municipal Lighting	Depreciation	Taxes	Total		
.1798	.0411	.6957	.1791	.87771	.14013	.07319	.07094		.07198	1.23395	.29261	
1.2059		1.5269	.0952	2.61168	.21145	.06707	.17159	†.12707	.14158	3.07630	.06622	
.4201		.8879	.3145	1.42761	.10437	.05038	.12829	.03229	.12728	1.87022	*.10436	
.2315		.5846	.1761	.84104	.06858	.05434	.08687	†.00792	.07953	1.12244	*.05792	
.7115		1.0338	.0324	1.57971	.10963	.05966	.42559	.13373	.31799	2.62631	.10110	
	.1166	.8717	.2089	1.25847	.09865	.08268	.21695	.05723	.11236	1.82634	.29481	
.4159	.0584	1.0066	.1256	1.56880	.09293	.02330	.20524		.02635	1.91662	.29227	
.0548	.0218	.3038	.0393	.30384	.07450	.03934	.03771		.03824	.49363	.09241	
				.44127	.07039	.06796	.07768	.03533	.07699	.76962	*.11245	
.0537		1.2450	.0202	1.76129	.08180	.09541	.15995	.04728	.12503	2.27076	*.03263	
.4343	.0635	1.0580	.2341	1.57722	.07090	.04853	.27707	.05497	.15655	2.18524	*.04770	
.6946	.0746	.9161	.2705	1.64387	.13763	.08238	.30007	.10671	.10671	2.37737	*.05444	
.1670		.3153	.0993	.47848	.05742	.04563	.07705	.04460	.07287	.77605	.11967	
.0684	.0179	.3038	.0086	.30384	.06099	.03185	.03087		.03134	.45889	.13227	
				1.55813	.06514	.05387	.36387	.10137	.14595	2.28833	.38094	
			.8339	.2112	1.54096	.11268	.07551	.34993	.02569	.05096	2.15573	.25685
.3131	.0370	.7574	.0692	.87504	.05975	.04752	.27815	.06709	.10600	1.43355	.24497	
.1904		.5834	.0831	.58341	.36554		.20423	.02492	.03316	1.21126	.28354	
.0279		.3186	.0368	.32781	.02220	.02215	.04239	†.00068	.02268	.43655	.12490	
.1730	.0930	.5760	.1230	.72818	.09624	.05029	.25174	.10831	.12807	1.36283	.40089	
				1.02787	.10574	.12050	.07545	.09762	.14366	1.57084	.22455	
.4045	.0950	.8944	.2614	1.30552	.07987	.05586	.46689	.25472	.25992	2.42278	.12561	
.7200	.0568	.8407	.3025	1.47521	.20100	.02626	.25547	.08198	.11588	2.15580	.24984	
.3923		.8110	.1378	1.18200	.08009	.03625	.12345	.04582	.12118	1.58879	.22648	
.2044		.5352	.0809	.71567	.08268	.03359	.09098	.02198	.11502	1.05992	.17453	
.7320	.0230	.8390	.1186	1.41602	.11916	.05731	.15564	.00483	.15948	1.91244	.53051	
.4855	.0988	.8814	.1633	1.04984	.15595	.03924	.14776	.10524	.14403	1.64206	*.10369	
.4171	.0514	1.4435	.2454	1.86263	.09803	.08962	.33664	.05096	.14107	2.57895	.04714	
				.38895	.20991	.15320	.14862		.12493	1.02561	.29965	
.0010	.0003	.3038	.0005	.30384	.00120	.00062	.00062		.00061	.30689	.19179	
				1.38095	.13380	.11780	.07438	.06538	.17555	1.94786	.12698	
.0484	.0167	.0781	.2118	.07815	.17949	.00332	.18743		.05600	.50439	*.08974	
1.2059	.1166	1.5269	.3145	2.6116	.3655	.1532	.4668	.2547	.3179	3.0763	.5305	
.0010	.0003	.0781	.0005	.0781	.0012	.0006	.0006	†.1270	.0006	.3068	*.1043	

TABLE
REVENUES AND EXPENSES PER
HOT WATER HEATING PER SQUARE

Location	NAME OF UTILITY	Square Feet Radiation Connected	Gross Operating Revenue per Square Foot Connected	Salaries
Bedford.....	Interstate Public Service Co.....			
Bloomington.....	Central Indiana Lighting Co.....			
Boonville.....	Boonville Electric Light and Power Co.....	40,162	24784	.0134
Crawfordsville...	Crawfordsville Heating Co.....	140,602	47999	.0244
Elwood.....	Indiana General Service Co.....	111,088	37994	
Fowler.....	Interstate Public Service Co.....			
Frankfort.....	Frankfort Heating Co.....	257,410	35912	.0155
Indianapolis.....	Merchants Heat and Light Co.....	461,366	37071	.0192
Lafayette.....	Northern Indiana Gas and Electric Co.....	202,894	39874	
Laporte.....	Laporte Gas and Electric Co.....	172,622	39644	.0148
Lebanon.....	Interstate Public Service Co.....			
Marion.....	Indiana General Service Co.....	139,915	37921	
Monticello.....	Interstate Public Service Co.....			
New Castle.....	Interstate Public Service Co.....	38,922	39039	.0178
Peru.....	Peru Heating Co.....	85,979	42000	.0344
Princeton.....	Princeton Light and Power Co.....			
Terre Haute.....	Citizens Mutual Heating Co.....	212,473	33891	.0218
	Maximum.....	461,366	47999	.0344
	Minimum.....	38,922	24784	.0134

*Deficit.

X.

UNIT—CALENDAR YEAR, 1921

FOOT OF RADIATION CONNECTED

OPERATING EXPENSES											Net Operating Revenue per Square Foot Connected
Classification I				Classification II							
Wages	Materials	Fuel	Miscellaneous	Station Expense	Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	
.0279	.0030	.0450	.0194	.07973	.00325	.00401	.02088	.04482	.03755	.19024	.05760
.0513	.0242	.2082	.0163	.29139	.00384	.00018	.02924	.04978	.02046	.39489	.08510
	.0018	.1512	.0459	.19369	.00394	.00877	.00004	.03788	.05129	.29553	.08441
.0497	.0247	.1269	.0163	.18482	.02149	.01377	.01323	.02595	.01382	.27308	.08604
.0312	.0580	.1802	.0345	.26286	.01375	.01870	.03182		.02661	.35374	.01691
				.26178	.03709	.01788	.01040		.00770	.33485	.06389
.0664	.0224	.1119	.0073	.18236	.01253	.00587	.02301	.04040	.01985	.28402	.11242
	.0028	.1952	.0373	.23400	.01410	.00546	.00053	.02629	.03160	.31198	.06723
.0199		.1204		.28829	.01082	.01675	.03204	†.00051	.01714	.36453	.02586
.0469		.1871	.0190	.30481	.00720	.00071	.01387	.02326	.01878	.36863	.05137
.0477	.0128	.1429	.0085	.20517		.00016	.02977	.04780	.01602	.29892	.03999
.0664	.0580	.2082	.0459	.30481	.03709	.01870	.03204	.04978	.05129	.39489	.11242
.0199	.0018	.0450	.0073	.07973	.00325	.00016	.00004	†.00051	.00770	.19024	.01691

TABLE
REVENUES AND EXPENSES PER
STEAM HEAT PER SQUARE FOOT

Location	NAME OF UTILITY	Square Feet Radiation Connected	Gross Operating Revenue per Square Foot Connected	Salaries
Anderson.....	Central Heating Co.....	87,800	.56395	.0792
Batesville.....	Batesville Electric Light and Power Co.....			
Columbus City...	Municipal Heating Co.....			
Evansville.....	Southern Indiana Gas and Electric Co.....	187,918	.24020	.3629
Goshen.....	Municipal Heating Plant.....	No Data.		
Hope.....	Pulse and Porter Electric Light Plant.....	No Data.		
Huntington.....	Huntington Light and Fuel Co.....	154,500	.25215	.0199
Indianapolis.....	Indianapolis Light and Heat Co.....	514,198	.39942	.0592
Indianapolis.....	Merchants Heat and Light Co.....	1,034,752	.50102	.0085
Kokomo.....	Indiana Railways and Light Co.....	155,707	.29857	
Logansport.....	Logansport Heat and Power Co.....	No Data.		
Martinsville.....	Martinsville Gas and Electric Co.....			
Noblesville.....	Noblesville Heat, Light and Power Co.....	42,595	.28654	.0239
Mooresville.....	Mooresville Public Service Co.....			
Muncie.....	Indiana General Service Co.....	236,277	.49137	
Rensselaer.....	Municipal Heating Department.....	No Data.		
Rochester.....	United Public Service Co.....			
South Bend.....	St. Joseph Heating Co.....	148,044	.55613	
Terre Haute.....	T. H. I. & E. Traction Co.....			
Thorntown.....	Municipal Heating Plant.....			
Warsaw.....	Winona Electric Light and Water Co.....	No Data.		
	Maximum.....	1,034,752	.56395	.0792
	Minimum.....	42,595	.24020	.0085

*Deficit.

X.

UNIT—CALENDAR YEAR, 1921
OF RADIATION CONNECTED

OPERATING EXPENSES											Net Operating Revenue per Square Foot Connected
Classification I				Classification II							
Wages	Materials	Fuel	Miscellaneous	Station Expenses	Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	
.1979	.0235	.5536	.0785	.34534	.01904	.00020	.05970	.08095	.01750	.52273	.04122
.5807	.0831	.9193	.2010	.12923	.02232	.01485	.01587	.04257	.02409	.24893	*.00873
.0398	.0033	.1685	.0104	.21133	.00594	.00439	.02440	.02222	.01238	.28066	.02851
.0010	.0274	.2058	.0106	.22004	.02645	.05677	.00109	.04873	.01460	.36768	.03174
.0267	.0346	.1716	.0300	.24108	.00818	.01036	.01374		.02504	.29840	.20262
				.13314	.01881	.00652	.01462			.17309	.12548
.0094	.0094	.1367	.0141	.14230	.01299	.00014	.03807	.02960		.22310	.06344
	.0025	.2658	.0168	.26935	.02255	.00791	†.00003	.03955	.03971	.37904	.11233
		.3948	.0229	.39638	.02890	.00336	.00782	.04427	.01819	.49892	.05721
.5807	.0831	.9193	.2010	.39638	.02890	.05677	.05970	.08095	.03971	.52273	.20262
.0010	.0025	.1367	.0104	.12923	.00594	.00014	.00003	.02222	.01238	.17309	.00873

TABLE
REVENUES AND EXPENSES PER
STEAM HEAT PER SQUARE FOOT

Location	NAME OF UTILITY	Square Feet Radiation Connected	Gross Operating Revenue per Square Foot Connected	Salaries
Anderson	Central Heating Co.	87,800	.56395	.0792
Batesville	Batesville Electric Light and Power Co.			
Columbus City	Municipal Heating Co.	187,918	.24020	.3629
Evansville	Southern Indiana Gas and Electric Co.	No Data.		
Goshen	Municipal Heating Plant.	No Data.		
Hope	Pulse and Porter Electric Light Plant.	No Data.		
Huntington	Huntington Light and Fuel Co.	154,500	.25215	.0199
Indianapolis	Indianapolis Light and Heat Co.	514,198	.39942	.0592
Indianapolis	Merchants Heat and Light Co.	1,034,752	.50102	.0085
Kokomo	Indiana Railways and Light Co.	155,707	.29857	
Logansport	Logansport Heat and Power Co.	No Data.		
Martinsville	Martinsville Gas and Electric Co.			
Noblesville	Noblesville Heat, Light and Power Co.	42,595	.28654	.0239
Mooreville	Mooreville Public Service Co.			
Muncie	Indiana General Service Co.	236,277	.49137	
Rensselaer	Municipal Heating Department.	No Data.		
Rochester	United Public Service Co.			
South Bend	St. Joseph Heating Co.	148,044	.55613	
Terre Haute	T. H. I. & E. Traction Co.			
Thorntown	Municipal Heating Plant.			
Warsaw	Winona Electric Light and Water Co.	No Data.		
	Maximum	1,034,752	.56395	.0792
	Minimum	42,595	.24020	.0085

*Deficit.

X.

UNIT—CALENDAR YEAR, 1921
OF RADIATION CONNECTED

OPERATING EXPENSES											Net Operating Revenue per Square Foot Connected
Classification I				Classification II							
Wages	Materials	Fuel	Miscellaneous	Station Expenses	Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	
.1979	.0235	.5536	.0785	.34534	.01904	.00020	.05970	.08095	.01750	.52273	.04122
.5807	.0831	.9193	.2010	.12923	.02232	.01485	.01587	.04257	.02409	.24893	*.00873
.0398	.0033	.1685	.0104	.21133	.00594	.00439	.02440	.02222	.01238	.28066	.02851
.0010	.0274	.2058	.0106	.22004	.02645	.05677	.00109	.04873	.01460	.36768	.03174
.0267	.0346	.1716	.0300	.24108	.00818	.01036	.01374		.02504	.29840	.20262
				.13314	.01881	.00652	.01462			.17309	.12548
.0094	.0094	.1367	.0141	.14230	.01299	.00014	.03807	.02960		.22310	.06344
	.0025	.2658	.0168	.26935	.02255	.00791	†.00003	.03955	.03971	.37904	.11233
		.3948	.0229	.39638	.02890	.00336	.00782	.04427	.01819	.49892	.05721
.5807	.0831	.9193	.2010	.39638	.02890	.05677	.05970	.08095	.03971	.52273	.20262
.0010	.0025	.1367	.0104	.12923	.00594	.00014	.00003	.02222	.01238	.17309	.00873

TABLE
REVENUES AND EXPENSES PER
CLASS "A" TELEPHONES

Location	NAME OF UTILITY	Number of Stations	Gross Operating Revenues per Station
New York	American Telephone and Telegraph Co	No data .....	.....
Hammond	Illinois Bell Telephone Co	16,468	53.8040
Terre Haute	Citizens Independent Telephone Co	13,251	36.5344
Elkhart	Home Telephone Co. of Elkhart County	5,160	25.0922
Goshen	Home Telephone Co. of Elkhart County	2,382	25.1623
Wakarusa	Home Telephone Co. of Elkhart County	No data .....	.....
Fort Wayne	Home Telephone and Telegraph Co	19,451	27.6436
Indianapolis	Indiana Bell Telephone Co	172,492	39.7884
Lafayette	Lafayette Telephone Co	7,105	26.6948
Laporte	Laporte Telephone Co	5,401	25.0309
Logansport	Logansport Home Telephone Co	5,453	25.4349
Valparaiso	Northwestern Indiana Telephone Co	2,202	27.8253
Chesterton	Northwestern Indiana Telephone Co	497	27.3022
Hobart	Northwestern Indiana Telephone Co	807	26.8623
Kouts	Northwestern Indiana Telephone Co	251	25.8661
Miller	Northwestern Indiana Telephone Co	No data .....	.....
Wheeler	Northwestern Indiana Telephone Co	83	27.1422
Richmond	Richmond Home Telephone Co	4,830	29.8124
Winchester	The Eastern Indiana Telephone Co	4,303	23.6490
Knox	Winona Telephone Co. (Combined)	4,200	26.3065
Louisville, Ky	Independent Long Distance Telephone and Telegraph Co	No data .....	.....
New Albany	Louisville Home Telephone Co	3,462	30.1077
Seymour	Southern Indiana Telephone and Telegraph Co	3,560	22.4893
Michigan City	Merchants Mutual Telephone Co	3,272	25.4722
Linton	New Home Telephone Co	1,840	33.8018
Angola	Steuben County Telephone Co	1,664	29.2289
Wabash	Home Telephone Co	2,750	27.0351
	Maximum	172,492	53.8040
	Minimum	83	23.6490

*Indicates deficit.

X.

UNIT—CALENDAR YEAR 1921

PER STATION

OPERATING EXPENSES											Net Operating Revenue per Station
Classification I					Classification II						
Salaries	Wages	Materials	Depreciation	Miscellaneous	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Un-collectible Accounts	Total	
2.4635	11.1100	1.2959	7.9484		19.9633	14.2652	6.1075	1.7958	4.4967	46.6285	7.1755
1.0549	8.8901	1.5387	5.9795	3.5237	11.2548	8.6098	3.1170	1.4551	3.5108	27.9475	8.5869
2.2443	10.4486	.7051	3.9515	3.7321	9.5486	6.0413	2.0045	1.5950	1.9058	21.0952	3.9970
			4.0599	2.4849	8.1578	7.9271	1.8395	2.0815	2.4557	22.4616	2.7007
2.4660	15.4479	1.1684	3.3909	1.9276	7.6341	10.0176	2.9799	4.3370	1.2273	26.1959	1.4477
			6.6703		15.0281	14.7698	4.2009	1.8380	3.9046	39.7414	.0470
					7.6843	6.4386	1.4370	2.6087	2.3244	20.4930	6.2018
1.1849	11.2581	.5938	4.3571	.8379	8.8176	6.3108	1.8933	2.0052	1.4031	20.4300	4.6009
.6602	10.8341		3.0434		7.6150	6.4984	1.5627	1.6806	1.5957	18.9524	6.4825
1.7498	7.3287	1.7524	2.4414		6.0155	9.4743	2.7166	1.3234	1.9675	21.5033	6.3220
1.5229	7.4493	1.3812	2.1247		5.1603	9.7776	1.2978	2.3642	1.2295	19.8296	7.4726
1.7052	9.2231	1.2989	2.3791		5.9135	10.7469	1.2296	2.6474	1.3768	21.9142	4.9481
1.3706	7.3278	3.6765	1.9123		7.5877	9.2624	1.1860	2.1278	.9074	21.0713	4.7948
2.4824	13.8120	.6063	3.4698		6.9303	15.2247	1.1954	3.8609	2.0079	29.2192	*2.0770
					12.9955	3.2948	.5758	3.6192	4.0283	24.5136	5.2988
1.65	6.36	2.35	4.30	2.13	7.8677	5.9214	.5183	2.4912	2.2372	19.0358	4.6132
1.8571	11.6213	.4392	3.6160	.6054	8.3126	6.5880	1.3423	2.3764	1.7364	20.3557	5.9508
1.2432	7.8055	.2215	5.5648		11.4816	8.1652	2.7940	2.5841	2.9662	27.9911	2.1166
1.8422	3.0843	5.1969	2.8651	4.8607	7.0644	5.1026	1.6072	4.3368	1.8609	19.9719	2.5174
.6718	5.0421		3.7247		7.3110	5.6440	2.3140	1.0082	3.0440	19.3212	6.1510
.7024	8.8269		3.9326		10.0288	10.8225	4.3525	1.2866	3.1524	29.6427	4.1591
3.08	13.38		5.70	3.30	9.9547	10.3947	.5883	4.9302	1.6717	27.5396	1.6893
1.454	9.9839	1.6914	4.1454	3.311	9.2040	7.2181	.6118	3.5527	2.1358	22.7224	4.3127
3.08	15.4479	5.1969	7.9484	4.8607	19.9633	15.2247	6.1075	4.9302	4.4967	46.6285	8.5869
.6602	3.0843	.2215	1.9123	.6054	5.1603	3.2948	.5183	1.0082	.9074	18.9524	*2.0770

TABLE X. REVENUES AND EXPENSES

CLASS "B" TELEPHONES

Location	NAME OF UTILITY	Number of Stations	Gross Operating Revenue Per Station
Attica	Attica Telephone Co	662	\$30.3975
Brookville	Brookville Telephone Co	885	20.8609
West Lebanon	Cadwallader Telephone Co	1,220	21.6225
Delphi	Carroll Telephone Co	724	27.8729
Cambridge City	Citizens Telephone Co	1,844	23.9859
Columbus	Citizens Telephone Co	2,540	18.3348
Decatur	Citizens Telephone Co	2,300	25.7737
Fairmount	Citizens Telephone Co	823	22.9373
Brazil	Citizens Telephone Co. of Clay County	2,419	28.8378
Warsaw	Commercial Telephone Co		
Connersville	Connersville Telephone Co	2,421	25.3815
Danville	Consolidated Telephone Co	1,422	26.5836
Crown Point	Crown Point Telephone Co	905	25.9327
Greensburg	Decatur County Independent Telephone Co	2,462	22.5725
Huntington	Dubois County Telephone Co	2,654	18.8335
N. Manchester	Eel River Telephone Co	1,060	24.3454
Corydon	Eureka Telephone Co	No data	
Columbia City	The Whitley County Telephone Co	2,120	15.8340
Flora	Flora Telephone Co	825	20.9259
Covington	Fountain Telephone Co	587	22.0247
Franklin	Franklin Telephone Co	1,453	28.7172
Garrett	Garrett Telephone Co	1,022	24.8885
Greencastle	Greencastle Telephone Co		
Greenfield	Greenfield Telephone Co	990	27.5947
Angola	Steuben County Telephone Co	See Class "A"	
Bremen	Home Telephone Co	567	23.1491
Noblesville	Home Telephone Co	1,230	26.6171
Portland	Home Telephone Co	1,785	24.3935
Atwood	Home Mutual Telephone Co. of Stony Point, Ind.		
Salem	Hoosier Telephone Co	See Seymour	
Clinton	Indiana Telephone and Telegraph Co	1,628	28.8996
Rensselaer	Jasper County Telephone Co		
Dunkirk	Citizens Telephone Co	630	17.2134
Edinburg	Citizens Telephone Co	589	24.4036
Knightstown	Knightstown Telephone Co	687	27.9495
Lafontaine	Lafontaine Telephone Co	598	18.8748
Lebanon	Lebanon Telephone Co	1,926	19.8856
Liberty	Liberty Telephone Co	886	23.1170
Madison	Madison Telephone Co	1,676	25.5744
Martinsville	Martinsville Telephone Co	1,070	23.6685
Mitchell	Mitchell Telephone Co	805	23.8150
Monticello	Monticello Telephone Co	931	32.8464
Nappanee	Nappanee Telephone Co	762	24.0309
Linton	New Home Telephone Co	See Class "A"	
Albion	Noble County Telephone Co	780	20.1247
Lagrange	Lagrange County Telephone Co		
Rising Sun	Ohio River Telephone Co	1,269	20.7823
Rockville	Parke County Telephone Co	1,409	16.8291
Petersburg	Pike County Telephone Co	1,688	26.8171
Princeton	Princeton Telephone Co	No data	
Carthage	Ripley Farmers Co-operative Telephone Co	1,095	16.6715
Rochester	Rochester Telephone Co	1,295	28.0426
Rushville	Co-operative Telephone Co	1,950	19.9541
Seymour	Hoosier Telephone Co	2,122	15.0177
Argos	Argos Telephone Co	717	17.1349
Butler	Butler Telephone Co	711	17.5493
Albany	Co-operative Telephone Co	661	21.3156
Sheridan	Central Indiana Telephone Co	653	23.2293
Monroeville	Home Telephone Co	620	19.0215
Burket	Farmers' Co-operative Telephone Co	1,342	18.9735
Columbia City	Farmers' Mutual Telephone Co	1,929	12.9832
Huntington, R. 5	Majenica Telephone Co	1,132	8.1061
Sullivan	Sullivan Telephone Co	1,125	38.8533
Aurora	Southern Indiana Telephone Co	1,513	30.2610
Tipton	The Tipton Telephone Co	1,417	21.4763
Union City	The Union City Telephone Co	2,022	18.5318
Goodland	Western Indiana Telephone Co	513	23.1660
	Maximum	2,654	38.8533
	Minimum	513	8.1061

*Deficit.

PER UNIT—CALENDAR YEAR 1921

PER STATION

OPERATING EXPENSES											Net Operating Revenue per Station
Classification I					Classification II						
Salaries	Wages	Materials	Depreciation	Miscellaneous	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Un-collectible Accounts	Total	
2.794	11.401	1.847	4.244		9.0572	7.7154	2.5112	2.6939	2.3884	24.3661	6.0314
2.0680	13.9882	.5737	1.1198	2.2356	8.4762	3.5744	.0791	3.7872	1.2017	17.1186	3.7423
3.7916	13.5660	2.2996	3.5825	1.3248	6.8146	8.2822	2.9025	3.0357	1.3041	22.3391	*.7166
3.4282	8.6330	1.2820	3.5249		10.3319	7.7293	1.9164	4.8206	1.2958	26.0940	1.7789
.6870	5.0558		2.4460		6.5214	6.3083	.6115	4.1593	1.3613	18.9618	5.0241
1.13	10.81	3.51	3.83	1.19	7.4205	5.9360	2.3629	1.3870	1.4882	18.5946	*.2598
1.6035	6.7618	2.2675	1.0967		10.7844	6.9460	1.0359	1.7211	1.7079	22.1953	3.5784
.1765	4.7227		4.4064		8.6605	8.4244	1.1551	2.5680	1.7122	22.5202	.4170
					11.1202	5.8586	2.5218	1.3347	3.9425	24.7778	4.0600
2.5969	11.6174	2.2436	3.3801		9.6649	6.7151	.5540	2.9909	1.0405	20.9653	4.4161
.7349	7.5950		5.7812		12.2919	9.1585	2.8710	3.2404	2.3453	29.9071	*3.3235
1.988	17.1035	2.8497	3.9371	1828	8.5429	13.1965	2.2503	.2824	1.3909	25.6630	.2697
1.3982	7.8847	1.4512	3.4390		7.5478	5.0013	.8230	1.8861	1.7965	17.0547	5.5178
2.9868	5.3128		2.2607		7.0627	5.0081	.2661	1.4347	1.2575	15.0291	3.8044
1.698	10.178	.874	6.097	3.356	11.8202	5.1404		5.0983	2.5736	24.6325	*.2871
1.0425	6.5155	.5831	3.3344	1.2616	5.0875	5.3743	1.0478	1.4295	1.3383	14.2774	1.5566
2.7878	2.5890	.4630	2.4181	.2163	6.1306	5.6316	.1110	4.6640	1.5227	18.0599	2.8660
					4.4542	4.4879	.6099	3.2898	1.6294	14.4712	7.5535
.6805	5.3335		3.9139		10.8469	8.3467	.3342	3.8412	2.5552	25.9242	2.7930
					8.5115	6.5965	2.3258	1.3395	1.8521	20.6254	4.2631
1.0101	12.5769	1.4351	3.2982		8.4814	8.0969	1.8766	1.8413	1.9832	22.2794	5.3153
2.8218	8.5162	.6814	3.1746	.7900	7.0695	5.6596	.4625	3.5422	.4585	17.1923	5.9568
.9756	11.3559	2.4378	2.6017		7.6992	7.6700	2.5180	2.3453	2.3103	22.5428	4.0743
		.7213	3.2804	1.4983	7.6137	5.2362	.5212	3.4469	1.5971	18.4151	5.9784
combined report 8993	7.8076		3.2531		10.4670	9.2789	3.6576	4.2396	3.6623	31.3054	*2.4058
			3.67		6.3578	6.0603	.6309	1.2632	.4794	14.7916	2.4218
.7380	5.2207		3.2741		8.7002	7.2576	3.2688	1.1378	1.5034	21.8678	2.5358
2.62	10.4320	.8081	3.6389		7.3805	7.0266	1.0655	6.0035	1.2780	22.7541	5.1954
2.6689	8.3869	.4689	4.2140	.4222	6.6466	8.0141	.0656	3.9064	1.8538	20.4865	1.6117
2.1331	5.0399		4.1776		7.4756	5.8268	.6511	3.5018	1.5701	19.0254	.8603
1.7268	7.5472	1.4108	4.8862		9.7719	5.1544	.2078	2.7133	1.4551	19.3025	3.8145
					8.6462	6.4782	1.0192	2.1318	2.4294	20.7048	4.8696
.7122	4.5832		4.0716		11.2075	6.1225	3.0144	1.3027	2.6399	24.2870	*.6185
2.342	10.325	2.946	2.948	2.004	7.3660	7.4030	1.7827	4.3479	.1988	22.8880	.9270
3.0077	6.5099	3.2805	4.9946		9.0485	7.2984	1.9345	3.5918	1.7723	23.6455	9.2009
2.75	9.28	1.08	3.54		7.4439	5.5515	1.0436	3.4145	1.2260	18.6795	5.3514
.9581	8.2618	1.2124	4.1395		6.2790	6.7054	.4734	1.7417	1.0942	16.2937	3.8310
1.182	8.730		2.792		4.5996	7.5524	.0840	3.6022	1.8788	17.7170	3.0653
.8645	5.2038		3.0808		7.1588	6.1498	2.4822	1.7920	2.2569	19.8397	*3.0106
2.0616	8.8709	1.9094	4.3888	1.6695	9.3388	5.6256	1.4520	2.8211	2.0908	21.3283	5.4888
1.2901	6.7563	1.4246	3.4543	1.006	7.4631	4.2022	.0404	2.2512	1.1536	15.1105	1.5610
5.5984	6.1464		3.7297	1.1841	6.3444	5.8298	1.8404	2.8758	2.3766	19.2670	8.7760
					11.2761	3.2860		2.7134	1.4784	18.7539	1.2002
.5860	7.1348	1.0839	2.2620		4.9693	4.3446	.7128	1.8893	1.4609	13.3769	1.6408
1.3466	3.2235		2.4242		4.3739	4.3684	1.1715	1.9271	.8234	12.6643	5.4706
		.8174	2.6302		6.5079	3.9451	.9146	2.3451	.6314	14.3441	3.2052
.6806	3.8124		3.0024		7.9866	4.8526	3.3221	1.1133	1.7247	18.9993	2.8163
1.4651	8.6465		3.2452		7.9962	5.0913	2.4923	2.7330	1.4964	19.8092	3.4201
2.22	5.36	2.46	4.46		8.3210	3.5728	.5868	2.9567	.6403	16.0776	2.9439
					5.0498	5.6784	1.6244	2.4130	.1853	14.9509	4.0226
.804	4.874	4.270	8.608	1.916	13.6910	4.8655	.0658	1.8500	.7952	21.2675	*8.2843
3.4628	2.7690	.8156	1.1443		5.5558	3.6108	.1600	.9339	.9915	11.2520	
3.6356	11.1956	.5744	5.7470	.4320	9.5816	9.2195	2.3452	3.9720	3.7995	28.9178	9.9355
1.7184	11.9900	.7565	3.9560	2.6462	7.2774	8.1447	1.716	3.9390	1.8278	22.9049	7.3561
.8856	7.3851	.9130	2.3085	1.7809	4.9106	5.6230	1.3599	2.7448	1.7547	15.1692	6.3071
1.93	7.33		2.89	1.08	6.8546	4.8066	7.2480	1.3473	1.1188	14.8523	3.6795
4.6731	6.7447	.1628	3.7384		7.2514	6.9932	1.8886	1.2753	1.3602	18.7687	4.3973
5.5984	17.1035	4.270	8.608	3.356	13.6910	13.1965	7.2480	6.0035	3.7995	31.3054	9.9355
.1765	2.5890	.1628	1.0967	.4222	4.3739	3.2860	.0404	.2824	.1853	11.2520	*8.2843

TABLE
REVENUES AND EXPENSES PER
CLASS "A" WATER PER

Location	NAME OF UTILITY	Total Gallons Pumped (in thousands)	Gross Operating Revenue Per 1,000 Gallons Pumped	Salaries
MUNICIPALLY OWNED				
Anderson	Anderson Water Works	886, 410	.09551	.00538
Evansville	Evansville Water Works	2, 963, 657	.07751	
Fort Wayne	Fort Wayne Water Works	2, 199, 559	.10871	.03025
Hammond	Hammond Water Works			
Huntington	Huntington Water Works	431, 247	.16602	.0179
Lafayette	Lafayette Water Works	1, 266, 500	.10096	.0051
Laporte	Laporte Water Works	724, 991	.07917	.0033
Logansport	Logansport Water Works	1, 766, 328	.05268	.0013
Marion	Marion City Water Works	857, 477	.07649	
Michigan City	Michigan City Water Works	2, 727, 573	.01577	.00119
Mishawaka	City Water and Light Co.	419, 573	.11270	.0064
Peru	Peru Water Works			
South Bend	City Water Works	1, 955, 849	.11852	.0083
PRIVATELY OWNED				
East Chicago	East Chicago and Indiana Harbor Water Co.	2, 402, 670	.08906	.0080
Elkhart	Elkhart Water Co.	528, 630	.16805	
Elwood	Elwood Water Co.	197, 074	.17618	.0371
Gary	Gary Heat, Light and Water Co.	1, 639, 958	.14283	.0178
Indianapolis	Indianapolis Water Co.	10, 362, 155	.14961	.0037
Jeffersonville	Jeffersonville Water, Light and Power Co.	493, 319	.08977	.00628
Kokomo	Kokomo Water Works Co.	634, 118	.17605	
Muncie	Muncie Water Works Co.	1, 060, 013	.13464	
New Albany	Interstate Public Service Co.	656, 486	.18493	.0130
Richmond	Richmond City Water Works	1, 001, 100	.12457	.00749
Terre Haute	Terre Haute Water Works Co.	1, 790, 440	.17511	.01219
Vincennes	Vincennes Water Supply Co.	540, 128	.15257	.0150
	Maximum	10, 362, 155	.18493	.0371
	Minimum	197, 074	.01577	.00119

*Deficit.

X.

UNIT—CALENDAR YEAR 1921

1,000 GALLONS PUMPED

OPERATING EXPENSES											Net Operating Revenues per 1,000 Gallons Pumped
Classification I				Classification II							
Wages	Materials	Fuel, Etc.	Miscellaneous	Pumping	Distribution	Commercial	General and Undistributed	Depreciation	Taxes	Total	
.02211	.02283		.00135	.03265	.00781	.00194	.00962	.00545		.05747	.03804
.02947	.00469	.01481	.00192	.03829	.00791	.00165	.00929	.00607		.06321	.01430
.00398	.00559	.00480	.00031	.02949	.01282	.00469	.01248	.00593		.06541	.04330
.0262		.0527		.08112	.01351	.00158	.00866	.01739		.12226	.04376
.0211	.0069	.0300	.0047	.05433	.00489	.00163	.00707	.00395		.07187	.02909
.0135	.0009	.0319	.0026	.04542	.00071	.00036	.00583	.00538		.05770	.02147
.0106	.0089	.0116	.0023	.02698	.00411	.00001	.00383	.00488		.03981	.01287
	.0068	.0251		.04652	.00342	.00054	.00359			.05407	.02242
.00605		.00754	.00222	.01437	.00032	.00017	.00213			.01699	*.00122
.0296	.0072	.0207	.0030	.04799	.00818	.00097	.01004	.02189		.08907	.02363
.0235	.0069	.0115	.0046	.02610	.01096	.00344	.01461	.02971		.08482	.03370
.0092	.0022	.0120	.0125	.02485	.00470	.00237	.01288	.00512	.00662	.05654	.03252
		.0355	.0317	.05380	.00243	.00153	.02224	.02837	.02391	.13228	.03577
.0138	.0054	.0334	.0092	.05610	.01438	.00219	.03012	.00712	.03032	.14023	.03595
.0123	.0054	.0097	.0080	.01847	.01268	.00303	.02025	.03989	.02364	.11793	.02490
.0195	.0022	.0063	.0096	.02456	.00492	.00079	.01181	.00802	.02372	.07382	.07578
.01354	.00550	.02300	.00597	.03640	.00725	.00062	.01066	.01260	.01665	.08418	.00559
				.02783	.01581	.00923	.02685	.00782	.01773	.10527	.07078
	.003	.0114	.0147	.02659	.00380	.00348	.01431	.00509	.01937	.07264	.06200
.0283		.0204	.0172	.04750	.00789	.00761	.02171	.00357	.01511	.10339	.08154
.0202	.0020	.0115	.0072	.02337	.00789	.00442	.01395	.01802	.01505	.08270	.04187
.02464	.00455	.00636	.0177	.03042	.00746	.00452	.02328	.00760	.02811	.10139	.07372
.0309	.0039	.0097	.0101	.03856	.00699	.00680	.01791	.00730	.01998	.09754	.05503
.0309	.02283	.0527	.0317	.08112	.01581	.00923	.03012	.03989	.02811	.14023	†.08154
.00398	.0009	.0043	.00031	.01437	.00032	.00001	.00213	.00357	.00662	.01699	*.00122

TABLE
REVENUES AND EXPENSES
CLASS "B." WATER PER

Location	NAME OF UTILITY	Total Gallons Pumped (In thousands)	Gross Operating Revenue per 1,000 Gallons Pumped	Salaries
MUNICIPALLY OWNED				
Alexandria	Alexandria Water Works	131,400	.04870	
Attica	City Light and Water Plant	275,800	.04222	
Auburn	Auburn Water and Electric Works	299,366	.06662	
Bedford	Bedford Water Works	590,898	.09069	.00514
Bloomington	City Water Works			
Bluffton	Bluffton Water Works	100,000	.21116	
Boonville	Boonville Water Works	70,000	.18948	.01710
Brazil	Brazil Water Works	159,473	.20645	
Clinton	Clinton Water Works	306,754	.11874	
Columbia City	Columbia City Water Works	141,759	.10595	
Columbus	Columbus Water Plant	830,568	.05806	
Connersville	Connersville Water Works	551,348	.05063	.00170
Decatur	Decatur Light and Power Plant			
Dunkirk	Dunkirk Water Works	33,000	.20655	
Garrett	Garrett Water Department	143,708	.09388	
Goshen	City Light and Water Works	363,710	.10689	.00560
Gas City	Municipal Water Plant			
Greenfield	Greenfield Water Works	128,632	.11590	.01070
Hartford City	Hartford City Water Works			
Kendallville	Water Works Department			
Lebanon	Lebanon Water Works	158,626	.21335	
Madison	Madison Water Works			
Martinsville	Martinsville Water Supply Co.	364,257	.04165	
Mitchell	Mitchell Water Works			
New Castle	New Castle Water and Light Plant	407,921	.12149	.00680
Plymouth	Municipal Water Works			
Portland	Municipal Water Works			
Rochester	Rochester City Water Works	200,000	.06418	.00490
Rushville	Municipal Water Works			
Tell City	Tell City Water Works			
Tipton	Tipton Water Works			
Union City	Union City Water Works	157,038	.09235	.00380
Whiting	City of Whiting Water Department	2,632,810	.01299	
Linton	Linton Municipal Water Co.			
PRIVATELY OWNED				
Aurora	Interstate Public Service Co.	135,455	.16719	.00610
Bicknell	Bicknell Water Works	160,000	.12932	.01500
Crawfordsville	Northern Ind. Gas and Electric Co.	294,443	.19942	.01560
Frankfort	Frankfort Water Works	339,074	.15241	.01570
Franklin	Franklin Water Light and Power Co.	168,720	.12003	.00570
Greencastle	Greencastle Water Works	217,750	.19326	.02030
Greensburg	Greensburg Water Co.	109,168	.34047	.01930
Jasonville	Wabash Valley Electric Co.	28,248	.12850	.00400
Lawrenceburg	Lawrenceburg Water Co.			
Mt. Vernon	Mt. Vernon Water Works	237,027	.15767	
Noblesville	Noblesville Water and Light Co.	166,295	.12543	.02390
Princeton	Princeton Water and Light Co.	340,226	.13800	.02960
Seymour	Seymour Water Co.	319,000	.12694	.01940
Shelbyville	Interstate Public Service Co.	320,951	.09639	.00430
Sullivan	Sullivan County Water Co.	52,500	.47183	.02280
Valparaiso	Valparaiso Home Water Co.	310,435	.13329	.03320
Wabash	Wabash Water and Light Co.	487,198	.09435	
Warsaw	Winona Electric Light and Water Co.			
Washington	Washington Water, Light and Power Co.	382,683	.13699	.00470
West Lafayette	W. Lafayette Water Works	311,192	.10680	.01500
Winchester	Citizens Heat Light and Power Co.			
Fowler	Interstate Public Service Co.	59,343	.19310	.00870
	Maximum	2,632,810	.47183	.03320
	Minimum	28,248	.01299	.00170

*Deficit.
†Credit.

PUBLIC SERVICE COMMISSION

679

X.
PER UNIT—CALENDAR YEAR 1921
1,000 GALLONS PUMPED

OPERATING EXPENSES											Net Operating Revenue per 1,000 Gallons Pumped
Classification I				Classification II							
Wages	Materials	Fuel etc.	Miscellaneous	Pumping	Distribution	Commercial	General and Undistributed	Depreciation	Taxes	Total	
				.05399	.01205		.00057			.06661	*.01791
				.02492	.00609	.00062	.00252			.03415	.0807
				.05398	.00026	.00011	.00218	.00200		.05853	.00808
.01134	.01405	.04109	.02214	.06251	.00567	.00241	.00372	.00305		.07736	.01333
				.13665	.02368	.00147	.02360	.02392		.20932	.00184
.01170	.01140	.05140	.00900	.05143	.03174	.00759	.01004			.10080	.08868
				.10000	.01924	.00317	.00865	.01865		.14971	.05674
				.03893	.00386		.1175	.00880		.06334	.05540
				.05888	.00277	.00046	.00160			.06371	.04224
				.02573	.00285	.00012	.00101			.02971	.02835
.02510		.02930	.01380	.05279	.01188	.00094	.00452	.00099		.07112	*.02049
	.04320	.06680	.03450	.11892	.05355	.00472	.01302	.01233		.20254	.00401
	.01060	.04700	.00420	.07494	.00227	.00200	.00652			.08573	.008152
.02600	.01080	.00430	.03080	.05759	.01030	.00153	.00841	.02291		.10074	.00615
.03530	.01310	.04300	.00670	.07790	.01887	.00097	.01183	.00194		.11151	.00439
	.00570	.08650	.00880	.11678	.01423	.00088	.02090			.15279	.06056
				.02527	.00321					.02848	.01317
.01470	.00160	.04870	.00150	.05843	.00338	.00053	.01106	.00781		.08121	.04028
.00300	.00130	.01800	.00810	.01840	.01061	.00028	.00617	.00397		.03943	.02475
.03530	.00630	.02620	.00410	.05277	.01030	.00213	.01072	.00575		.08167	.01068
				.01873	.00057		.00513			.02444	*.01145
.03880		.03870	.03060	.08410	.02367	.00470	.01202	.00012	.00992	.13453	.03266
.02220	.00650	.03090	.00570	.05364	.00448	.00516	.01710	.00531	.00008	.08577	.04355
.01620	.01280	.03460	.01330	.06247	.01106	.01137	.00782	.01277	.02122	.12671	.07271
.02330	.00870	.03640	.00400	.05302	.01140	.00095	.02454	.00958	.02167	.12116	.03125
.01810		.02150	.01930	.04055	.00843	.00663	.01111	†.00065	.00869	.07476	.04527
.03360	.00500	.03210	.01630	.06091	.01482	.01389	.01948	.00809	.01807	.13526	.05800
.04460	.01520	.06430	.01540	.11944	.00924	.00307	.02712	.01649	.06409	.23945	.10102
.00720	.01040	.04970	.01230	.00784	.00257	.01294	.06681	.02549	.17531	.12850	.04681
	.00870	.02840	.02320	.06268	.00300	.00462	.01692	.00562	.02219	.11503	.04264
.00730	.00160	.04070	.00460	.05657	.00689	.00034	.01749		.01758	.09887	.02656
.01240	.00260	.04000	.00960	.06604	.00661	.00137	.02180	.00836	.01921	.12339	.01461
.00400		.03290		.03297	.00454	.00003	.03388	.00789	.01143	.09074	.03620
.01550		.01970	.01260	.04070	.00540	.00253	.00684	†.00239	.00865	.06173	.03466
.12520		.05500		.13934	.04670	.00052	.12776	.06274	.08378	.46084	.01099
.01190	.00590	.02600	.01730	.06057	.00597	.00049	.02149	.01186	.00267	.10305	.03024
				.02042	.00904	.00114	.01203			.04263	.05172
.01830	.01060	.03210	.01060	.05714	.00530	.00266	.01232	.00657	.01608	.10037	.08692
.01580	.00130	.02230	.00850	.03848	.00204	.00366	.01876	.00329	.00879	.07502	.03178
.04210		.06450	.02940	.11037	.01065	.00850	.01642	.00040	.01153	.15787	.03523
.12520	.04320	.08650	.03450	.18733	.05355	.01389	.12776	.06274	.17531	.46084	.08868
.00300	.00130	.00430	.00150	.00784	.00026	.00003	.00057	†.00239	.00008	.02444	.02049

OPERATING STATISTICS

Calendar

NAME OF COMPANY	Revenue from Transportation	Total Car Mileage	Revenue from Transportation Per Car Mile
Beech Grove Traction Co.	\$44,210 77	184,912	\$0. 23900
Chicago, South Bend and Northern Indiana Railway Co.	1,216,040 62	3,377,916	.30600
Chicago, Lake Shore and South Bend Railway Co.	778,245 09	1,757,015	.44290
Cincinnati, Lawrenceburg and Aurora Electric Street Railway Co.	180,193 09	572,035	.31500
Evansville, Suburban and Newburg Railway Co.	252,686 28	402,518	.62700
Ft. Wayne and Decatur Traction Co.	81,944 40	165,226	.49590
Ft. Wayne and Northwestern Railway Co.	283,980 60	522,119	.54390
Gary and Hobart Traction Co.	49,143 55	.....	.....
Gary and Valparaiso Railway	127,465 46	330,593	.38556
Gary Street Railway Co.	726,655 36	1,617,527	.....
Hammond, Whiting and East Chicago Railway Co.	577,152 77	1,162,583	.49644
Indianapolis and Cincinnati Traction Co.	674,748 13	1,166,414	.57848
Indianapolis Street Railway Co.	4,696,646 41	12,946,336	.36278
Indiana Railways and Light Co. (City Lines)	162,291 82	567,950	.28575
Indiana Railways and Light Co. (Interurban Lines)	257,046 12	631,694	.40692
Lebanon, Thorntown Traction Co.	14,782 92	66,956	.22078
Marion, Bluffton Traction Co.	104,864 79	266,179	.39396
Southern Michigan Railway Co.	289,254 67	437,162	.66166
Terre Haute, Indianapolis and Eastern Traction Co.	4,001,999 86	9,210,174	.43452
Union Traction Co.	3,595,380 14	7,592,403	.47355
Vincennes Traction Co.	82,977 15	351,478	.23608
Winona Interurban Railway Co.	297,872 99	850,045	.35040
Southern Indiana Gas and Electric Co. (City Lines)	705,270 12	2,241,074	.31470
Southern Indiana Gas and Electric Co. (Interurban Lines)	184,793 98	400,967	.46087

*Deficit.

PUBLIC SERVICE COMMISSION

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OF ELECTRIC RAILROADS

Year 1921

Passenger Revenue	Total Revenue Passengers	Average Fare Revenue Passengers	Total Operating Revenues	Total Operating Expenses	Operating Revenues Per Car Mile	Operating Expenses Per Car Mile	Net Operating Revenue Per Car Mile
\$43,410 38			\$44,345 77	\$44,699 53	\$0.23980	\$0.24160	*\$0.00180
1,149,176 61	16,930,834	\$0.06740	1,249,349 85	899,038 00	.37610	.26610	.11000
616,706 09	2,429,661	.25380	808,751 07	756,638 70	.46030	.43060	.02970
174,577 60	1,435,038	.12160	180,900 07	137,698 27	.31620	.24070	.07550
151,100 00	583,253	.25900	263,363 83	217,559 04	.65400	.54000	.11400
64,032 36	149,937	.42710	83,173 03	77,120 71	.53390	.46780	.06610
235,891 25	777,940	.30300	299,856 23	204,979 59	.57430	.39270	.18160
			49,269 30	45,803 28			
93,422 96	428,466	.21804	130,557 33	99,529 90	.39491	.30106	.09385
			755,187 90	574,121 87	.46687	.35493	.11194
575,271 77	7,327,236	.07851	578,374 36	464,855 28	.49749	.39984	.09765
472,919 08	959,209	.49303	688,987 31	551,865 46	.59069	.41800	.17269
4,694,811 91	106,408,192	.04412	523,185 58	3,962,443 51	.40412	.30607	.09805
162,153 77	3,252,546	.05000	162,801 82	97,594 28	.28665	.17184	.11481
200,891 71	619,545	.32426	259,790 73	178,239 39	.41126	.28216	.12910
12,562 46	52,911	.23742	14,782 92	12,745 55	.22227	.19035	.03192
80,928 72	236,427	.34230	106,399 01	82,878 08	.39972	.31136	.08836
249,186 46	976,539	.25517	292,476 38	195,175 84	.66903	.44646	.22257
3,253,632 51	22,819,141	.14258	4,099,360 94	3,176,130 76	.44509	.34485	.10024
2,843,285 12	13,014,082	.21848	3,710,605 70	2,531,941 47	.48873	.33348	.15525
82,977 15	1,659,543	.05000	83,597 15	26,190 30	.23784	.18830	.04954
224,032 90	935,768	.24900	310,309 39	273,858 05	.36550	.32210	.04340
705,150 12	12,816,830	.05500	722,963 64	506,406 93	.32260	.22597	.09663
153,241 25	512,759	.29886	188,347 73	116,095 89	.46973	.28954	.18019

REPORT OF THE BOARD OF MEDICAL REGISTRATION AND EXAMINATION

OFFICERS AND MEMBERS OF THE BOARD FOR 1921-1922.

W. A. SPURGEON, M. D., President, Muncie.
E. M. SHANKLIN, M. D., Vice-President, Hammond.
WM. T. GOTT, M. D., Secretary, Crawfordsville.
J. W. BOWERS, M. D., Treasurer, Ft. Wayne.
WM. R. DAVIDSON, M. D., Evansville.
J. B. KINSINGER, D. O., Rushville.
MISS LUCY CAMPBELL, Clerk, Indianapolis.

We beg to make the following report to the Governor and public as to the administrative work of the board during the fiscal year ending September 30, 1922.

Seventy-seven applicants have applied for license to engage in the practice of the healing art in Indiana. Four midwives have applied for license to engage in the practice of midwifery in Indiana. All of these applicants who successfully passed the established schedule of minimum requirements were issued certificates authorizing the county clerks of the various counties where applicants locate, to issue a license authorizing them to engage in the practice. The educational institutions from which these applicants were graduated are as follows:

Indiana University School of Medicine, Indianapolis.
University of Illinois, College of Medicine, Chicago.
University of Pennsylvania, College of Medicine, Philadelphia.
Louisville University, School of Medicine, Louisville, Ky.
American School of Osteopathy, Kirksville, Mo.
Kansas School of Osteopathy, Kansas City, Mo.
Tubingen University School of Medicine, Germany.
Meharry Medical College, Nashville, Tenn.
University of Michigan, Medical Department, Ann Arbor.

REPORT OF THE ATTORNEY OF THE BOARD

To the State Board of Medical Registration and Examination,
Gentlemen:

As attorneys for this board we submit the following resume of our activities since the beginning of our employment in June of 1921:

We have assisted in the prosecution of two chiropractors who were tried in the Jackson circuit court at Brownstown, Indiana. One of these cases was tried in March and the other in May of 1922. The trials were by jury, and both resulted in an acquittal of the defendants.

We have also prepared the charges and prosecuted the following cases for revocation of licenses before the Board: Dr. A. A. Hill, Dr. Frederick Crum, Dr. W. A. Wenz, Dr. Frederick J. Freshley.

In the above cases the licenses of Hill, Wenz and Freshley were revoked, while Crum received a reprimand from the board.

We find that although the Medical Practice Act of Indiana affords a perfectly clear and clean cut definition of what constitutes the practice of medicine, yet it is extremely difficult to get juries to convict even the most flagrant violators of the law.

In the case of the two chiropractors in the Jackson circuit court, the court in each instance instructed the jury that the things done by the defendants constituted the practice of medicine within the meaning of the law, and yet no conviction could be obtained.

It seems that the law is impotent when it has to combat the prejudices or obtuseness of the average lay jury. The Medical Practice Act of Indiana is fair and just to all, and discriminates against none. The standards of qualification fixed by it are only such as are necessary to guard and protect the health and physical well-being of the people from the dangers which are inevitable when the ignorant and unskilled are permitted to tamper with the complex human machine.

There should be no changes in the law to permit the various cults of alleged healers legally to ply their nefarious trade upon the unsuspecting. Insidious attempts at changes in the law are made at each session of the General Assembly. All such efforts are backed by some cult which desires permission to practice the healing art in this state without having attained the degree of knowledge which is deemed essential for those who seek to heal, cure or relieve the sick.

Courts of last resort, in many different states have upheld the validity of medical practice laws which are to all intents and purposes like that of Indiana and have expressly held that chiropractors are engaging in the practice of medicine within the meaning of the law. Some of the more recent of these decisions are:

Commonwealth vs. Simmerman, 221 Mass. 184;
 State vs. Smith, 233 Mo. 242;
 Williams, et al., vs. Scudder, et al. (Ohio), 13 N. E. 481;
 11 Corpus Juris, p. 758.

All of these cases and especially the Missouri case and the one from Ohio are leading authorities upon what constitutes the practice of medicine and upon the constitutionality of the medical practice acts of those respective states, and we recommend them to anyone who is interested in the legal phase of the subject.

Respectfully submitted,

(Signed) HOLMES & McCALLISTER,

Atty.s. for Board of Medical Registration and Examination.

The following were licensed by examination:

Brayton, John R.,
 Bell, Donald Edwards
 Casebeer, Paul Bevan
 Durman, Donald Charles
 English, Glenn Greer
 Espenlaub, Geo. H.,
 Eisenlohr, Eugene
 Forster, Herbert E.,
 Hancock, Robert Wesley

Harcourt, Allan K.,
 Hippensteel, Russell Ray
 Howard, Wm. Harry
 Kerr, Harry Robbins
 Langsdon, Fred Ronald
 Leech, John
 Lingeman, Leslie Roberts
 Lukemeyer, St. John
 Marchand, Edwin V.,

Mitman, Floyd Bayless
 McBride, James Stanton
 McKnight, W. Harold
 Newland, Arthur Eugene
 Pfaff, Dudley Alvey
 Pantzer, Ralph John
 Peterson, Earl Otis
 Pitkin, Edward M.,
 Richey, Clifford Otto

Rhinehart, Barton A.,
 Rogers, Hobart
 Smith, David Leslie
 Sluss, David Hart
 Taylor, Wm. Reid
 Voyles, Harry Elwood
 Wales, Homer L.,
 Wundrum, Henry Wm.,
 Wisch, Louis Jerome.

Applicants who attained a total of at least 900 points out of a possible 1,000 were placed on the Honor Roll. The board takes pleasure in stating that this honor was earned by the following:

Pitkin, Edw. M..... 951.7
 Durman, Donald C..... 916.7
 Forster, Herbert E..... 912.3

Sluss, David H..... 906.
 Smith, David L..... 903.

Three midwives have been given written examinations for license to practice midwifery during the year covered in this report. One made satisfactory grades and was issued a license as follows:

Stevens, Mrs. Eleanor, Indianapolis, Indiana.

FINANCIAL STATEMENT

Total receipts of fees from all sources.....	\$4,417 00
Balance on hand October 1, 1921.....	5,793 63

\$10,210 63

TOTAL DISBURSEMENTS

Amounts paid by the Board on duly audited vouchers, approved and on file, for indebtedness incurred during the fiscal year, including per diem, railroad fare and hotel bills of members, postage, telephone, telegraph and other office expenses.....	\$3,238 58	
Fees refunded to applicants who were ineligible to registration..	240 00	
Salary to Secretary	250 00	
Salary to Clerk	1,200 00	4,928 58
Balance on hand Oct. 1, 1922.....	\$4,928 58	\$5,282 05

CERTIFICATES ISSUED SINCE 1897

Record of certificates issued to date since 1897, as shown by the records of the State Board of Medical Registration and Examination:

YEAR	Regular	Eclectic	Homeopath	Physio-Med.	Osteopath	Midwife
1897	3,773	491	296	201		97
1898	383	35	32	21		15
1899	231	28	31	12		13
1900	188	7	24	7		1
1901	178	8	14	7	30	
1902	180	8	11	5	6	3
1903	247	11	13	10	3	2
1904	228	9	16	8	3	2
1905	240	11	7	4	46	6
1906	234	16	11	6	9	7
1907	330	22	17	11	11	4
1908	170	11	8	4	2	7
1909	127	1	3	4		3
1910	104	1	5	1	1	8
1911	172	4	3		2	3
1912	131	5	5		2	3
1913	116	2	5	1	5	16
1914	98	2	4	1	4	11
1915	92	1	3		5	10
1916	81		2		2	11
1917	79		1		2	9
1918	69	1			2	15
1919	59	1	4		4	3
1920	133	2	4		6	3
1921	124	4	3		11	2
1922	75				2	1
Total	7,842	681	522	303	157	255

During the period covered in this report the following physicians have been licensed through reciprocity with the states named:

With Arkansas:		With Kentucky:	
Taylor, Daniel B.,	Gary.	Bruner, Ralph W.,	Sellersburg.
		Carney, Joel T.,	Batesville.
With California:		McPherson, W. W.,	Campbellsburg.
Myers, Asa L.,	Noblesville.	Schoier, Chas. Otto	Jasper.
		Braunlin, Robt. F.,	Marion.
With District of Columbia:		Turner, Harold B.,	Owensburg.
Nesmith, Francis	Evansville.	Link, Peter M.,	Shipshewana.
		Morrison, Lindsey	Hammond.
With Georgia:		With Michigan:	
Wilson, Henry J.,	Ft. Wayne.	McKinnon, Jno. D.,	Garrett.
		Sayers, Frank E.,	Brazil.
With Illinois:		Salon, Nathan L.,	Ft. Wayne.
Rhorer, Herbert M.,	Danville.	With Minnesota:	
Parker, Harry C.,	Hobart.	Shewbrooks, Dan'l M.,	Ft. Wayne.
Rogers, Harvey H.,	Anderson.		
Bolka, Bernard J.,	South Bend.	With New York:	
Willett, Irving H.,	Ft. Wayne.	Belden, Louis D.,	Indianapolis.
Schlosser, Herbert C.,	Elkhart.	Southworth, H. M.,	Montezuma.
Gregory, Wm. Brant,	Garrett.	Edwards, Slocum R.,	South Bend.
Clements, Albert F.,	Evansville.		
Keeler, Kenneth B.,	Whiting.	With Ohio:	
Parmenter, Elbert L.	Ft. Wayne.	Smith, Herbert N.,	Brookville.
Williams, Thos. P.	Terre Haute.	Rogers, Joseph Edw.,	Louisville.
Brooks, Harry L.,	Michigan City.		
Guttman, Lydian P.,	Bicknell.		
Littlejohn, Dana M.,	Terre Haute.		
Riggins, Ivan W.,	Indianapolis.		
Nay, Ernest Omar,	Indianapolis.		
Sabin, A. E.,	Dana.		

With Tennessee:

Davis, Joseph C.,	Terre Haute.
Sloss, Imit Herman,	Terre Haute.
Scanlon, Franklin T.,	Terre Haute.

With Virginia:

Shadrach, Wm. Garr,	Clinton.
Simmons, Wm. R.,	Lafayette.

CERTIFICATES OF QUALIFICATION FOR MATRICULATION IN MEDICAL COLLEGE

The following persons have submitted documentary evidence of having complied with the minimum requirements for medical students in Indiana, and received certificates of qualification for matriculation in medical college.

Alexander, Harry,	Indianapolis.	Jones, Ernest F.,	Milton.
Anderson, Robt. V.,	Delphi.	Kerecheval, Jno. M.,	Greensburg.
Armstrong, Shirley,	Bedford.	Kidder, Orva Thurl,	Salamonia,
Ashworth, Lewis N.,	Connersville.	Kindell, Hurschell D.,	Wingate.
Ayres, Kenneth Don,	Upland.	Kolph, Frank W.,	Ft. Wayne.
Barkman, Floyd J.,	Detroit, Mich.	Leatherman, Harter L.,	Indianapolis.
Barnard, Angelo R.,	Millersburg.	LeMar, Norvelle Chappell,	Petersburg,
Baron, Samuel H.,	Indianapolis.	Leckrone, Milton E.,	Silver Lake.
Beck, Russell LeMar,	Millersburg.	Lohrei, Jesse Dierdorff,	Goshen.
Becker, Eli Geo.,	Angola.	Longfellow, Don,	Martinsville.
Bernardini, Camillo Victor,	Little Rock, Ark.	Lynch, Harold Duff,	Evansville.
Bibler, Lester D.,	Muncie.	McKinstry, Jno. Wm.,	South Bend.
Bishop, Clifford O.,	Bloomington.	Martin, Harold Glen,	Bloomington.
Bowers, Don DeLargy,	Bloomington.	Merica, Forrest Wayne,	Rensselaer.
Bowman, Ray Allen,	Wabash.	Miller, Oscar Henry,	Minneapolis, Minn.
Buckner, Joy F.,	Poneto.	Montgomery, Nolan G.,	Haubstadt.
Candib, Bernard	New York City, N. Y.	Moore, Jean Wall,	Bloomington.
Chittenden, Geo. E.,	Anderson.	Moore, Mattie,	Edinburg.
Cloud, Albert Wm.	Valparaiso.	Morgan, Wm. George,	Indianapolis.
Cole, Herschel Geo.,	Winamac.	Naeckel, Harold W.,	Davenport, Iowa.
Denny, E. Rankin,	Plainville.	O'Rourke, Carroll,	Ft. Wayne.
Denny, Franklin Thos.,	Madison.	Osterman, Louis H.,	Seymour.
Dieter, Wm. Jennings,	Rossville.	Overpeck, Chas. F.,	Rosedale.
Dodds, James U.,	Cincinnati, O.	Payton, Frazier J.,	Bloomington.
Dragoo, Samuel V.,	Muncie.	Pennington, Bert Floyd,	Indianapolis.
Draper, Paul Arbuckle,	Indianapolis.	Phillips, Jno. Reed,	Star City.
Drybread, James C.,	Franklin.	Pierson, Robt. Harryman,	Spencer.
Dunlevey, Susette D.,	Evansville.	Pyle, Harold Dale,	LaGrange.
Ebert, Jno. Wayne,	Alexandria.	Rader, Wm. Osborne,	Bloomington.
Espenlaub, Geo. H.,	Evansville.	Rice, Willard P.,	Indianapolis.
Fick, Jno. Jerome	Chisholm.	Rockey, Noah Adam,	Hamilton.
Foreman, Walter A.,	Windfall.	Ross, Ben Richardson,	Evansville.
Fuson, Wm. Fred J.,	Amo.	Schell, Jas. Layman,	Indianapolis.
Gardner, Greyson C.,	Cottage Grove, O.	Schoubye, Oscar,	Valparaiso.
Gillespie, Wm. P.,	Cincinnati, O.	Seletz, Rachel R.,	Bedford.
Gindling, Joseph A.,	Sunman.	Shanks, Ray W.,	Salem.
Greer, Miller,	Vandalia, Ill.	Sitko, Stanley Edwin,	Detroit, Mich.
Hallam, Franklin T.,	Mooreville.	Sparks, Alan Leo,	Indianapolis.
Harlan, Wick Raymond,	Tomkinsville, Ky.	Spenner, Raymond W.,	Bloomington.
Haslem, Ezra R.,	Terre Haute.	Stoeffler, Walter,	Indianapolis.
Hayden, Joseph Dwight,	Felicity, O.	Story, Alfred Anthony,	Washington.
Herd, Cloyn,	Peru.	Thomas, Chas. Darwin,	Danville.
Herzer, Clarence C.,	New Albany.	Tillim, Sidney Joseph,	Spring Valley, N. Y.
Hine, Ulis Bryan,	Whitestown.	Vance, Walter Harold,	Pleasant Mills.
Hoffman, Curtis R.,	Bloomington.	Viney, Chas. L.,	Logansport.
Honnold, Walter B.,	Atlanta.	Washburn, Wm. Warren,	Remington.
Hunt, Estie E.,	Danville.	Wilder, Gordon B.,	Winslow.
Jenkins, Alberta L.,	Bloomington.	Winarick, Nathan,	New York City, N. Y.
Jenkinson, Wm. Ellis,	Boston.	Yeager, Geo.,	Lake.
Jessup, Parke Moore.	Marshall.	Yocum, Paul Stone,	Coal City,
Jewett, Geo. Rae,	Wabash.	Zearbaugh, David O.,	Portland.
Jones, Albert T.,	Linden.	Zerfas, Leon G.,	West Newton.

SUGGESTIONS

On account of the widespread misunderstanding of the purpose and scope of medical education and licensing laws it is important that this report should point out some of the reasons for the enactment of such laws.

It is not questioned that whoever opens an office and holds himself out to be entitled and qualified to consult and advise the sick concerning their most precious possession—health, is assuming a tremendous responsibility. A responsibility that can not be escaped on the plea that “if no good is done, no harm is done.” The sick are entitled to helpful and not harmless methods of treatment. Beginning cancer, diphtheria and tuberculosis should have prompt, positive and affirmative action if life is to be saved. The sick are entitled to the skill that comes with education and training; less than this is trifling with life and common sense.

The chief good is health; the worst thing is sickness. Good health of the people is the state's greatest asset; ill health is an immeasurable loss. The recognition of the economic value of good health is of the greatest importance to all citizens. Why should the people tax themselves to build universities and schools for training and educating persons to practice the healing art skillfully? Why organize and maintain boards of health for the study and prevention of disease? Why organize and maintain a board of medical registration and examination and direct by law that said board shall establish an educational standard of qualification that shall be met and successfully passed by all persons “who attempt to practice the healing art,” if the uneducated and unskilled are to assume the duties and responsibilities of the educated and skilled without submitting evidence of qualification? Until the people realize that a hod-carrier, blacksmith, barber or milliner can not in a few short months be sufficiently educated and trained to assume the responsibilities of tampering with the delicate and intricate mechanism in which the life forces dwell—the human body—the state's best efforts to conserve human life is void and without real value.

It is obvious to anyone who is disposed to think about the importance of the subject herein discussed that it is incumbent upon the state to do all that is within its power to save life and limb, prevent disease, and to heal, cure and relieve the sick. The only plan yet devised whereby the state can do anything to accomplish this end is through a licensing system based upon a compulsory education which shall apply alike to all persons who assume the duties, functions and responsibilities of the trained and educated physician. A standardized educational test for practitioners of the healing art should not, and does not interfere in any way with the right of the individual to choose his own medical adviser, but does guarantee, insofar as the matter can be determined, that he is not imposed upon in the selection of such an advisor.

It is fair to assume that knowledge fundamental to the recognition of disease, its cause and nature should precede any attempt to consult and advise the sick. The law can not be made efficient until evidence of such knowledge is presented to the state by all those who seek by any method to treat human ailments. Educational requirements of the state

are too often evaded by those who make the plea that what they do in the conduct of their business does not come within the purview of the law, however, they assume the duties and responsibilities of the licensed physician.

It is not the name but "the thing done" by all practitioners of all systems of practice in the treatment of human ailments which is defined by the law under the general term the practice of medicine as follows:

"To prescribe for, or to give surgical assistance to, or to heal, cure or relieve, those suffering from injury or deformity or disease of mind or body," is practicing medicine within the meaning of the law. Therefore, any person who "heals or attempts to relieve anyone suffering with disease of mind or body," regardless of the methods employed for such purpose, is clearly within the meaning of the law, and the courts, the final arbiters of the law have so held.

It is apparent from the above quotation what should constitute the practice of medicine in the mind of the General Assembly when it enacted the original law in 1897. The legislature had no intention of restricting the application to any system or school of practice. Beyond question the intent was that whoever did any of the things enumerated in the definition quoted above were practicing medicine within the meaning of the act and no special recognition by name or otherwise was given any school or system of practice nor contemplated when the said act was passed. Therefore, the name of no school or system of practice occurs any place in the said original act. Instead it does state that nothing "in this act shall be so construed as to discriminate against any school or system of medicine."

At a later date an amendment to the said original act was secured at the instance of the practitioners of osteopathy that they be given a special recognition. This special recognition did not secure anything for osteopathic practitioners that had not been vouchsafed for them under the existing law, namely licensed by meeting the established educational standard as they now do. This action on the part of the legislature has resulted in encouraging other healing sects importuning each session of the legislature since the enactment of the said amendment for special recognition of the followers of their particular sect or school of practice.

REQUIREMENTS—MORAL AND EDUCATIONAL ONLY.

The question of whether an individual should be licensed to treat the sick is educational and not sectarian. Hence the statute provides that the board "shall not in the establishment of the schedule of minimum requirements, discriminate in favor of or against any school or system of practice, nor shall it prescribe what system or systems or schools of practice shall be taught in any of the colleges or universities or other educational institutions of the state." Therefore, no one is barred from obtaining a license to engage in the practice of the healing art in Indiana under the existing law on account of the school or system by which he practices. The issuing of a license is based solely upon the moral and educational fitness of the applicant. The final decisions of the courts of last resort are recognized as authority on any legal question.

They hold that the sole justification for the enactment of medical practice acts is the protection of the public from incompetent and unscrupulous persons; that the state has a right to enact laws making any reasonable standards for the practice of the healing art. The object of such laws is not the benefit of physicians, but the protection of the public; that it is not the function of the state, through either its legislature or its courts, to decide scientific questions or to determine the scientific value of one school or method of practice as compared with another, or to decide the relative value of different forms of treatment; that the sole interest of the state in the practice of the healing art as a business; that the legislature is justified, for the public good, in establishing and enforcing regulations under which such business may be carried on; that the qualification and conditions exacted must be reasonable and equitable and must be the same for all those who desire the same *privileges*; and that the function of examining boards is to test the qualifications and knowledge of applicants in order to determine whether they may be properly intrusted with the treatment of the sick.

REPORT OF STATE BOARD OF EXAMINATION AND REGISTRATION OF NURSES

ELIZABETH E. SPRINGER, R. N., President, Huntington Co. Hospital.
IDA J. McCASLIN, R. N., Secretary-Treasurer, Lebanon, Indiana.
NELLIE G. BROWN, R. N., Vice-President, Indianapolis, Indiana.
MRS. LOUISE HAPPEL KUIKEN, R. N., Evansville, Indiana.
CLARE E. BROOK, R. N., Indianapolis, Indiana.
MARY E. GLADWIN, Education Director.
HELEN CAMPBELL, Clerk, Indianapolis, Indiana.

The secretary of the Indiana State Board of Examination of Nurses offers the following report of the work done during the fiscal year ending September 30, 1922.

The law as amended by the legislature of 1921, made possible the registration of trained attendants under a waiver clause as follows:

Section 5. After the passage and approval of this act, any person being over the age of nineteen years and of good, moral character, holding a certificate as having completed the course from a school for training attendants connected with any hospital giving a course of training for attendants of at least twelve months, approved by the State Board of Examination and Registration of Nurses as maintaining in this course and other respects proper standards, all of which shall be determined by said state board, and who after a practical examination shall have received from said state board, a certificate of his or her qualifications to care for the sick as a trained attendant, shall be styled and known as a "trained attendant," and no other person shall assume such title, or use the abbreviation "T. A." or any other words, letters, or figures to indicate that the person using the same is a "trained attendant." The said board shall require of each applicant for such examination and registration a fee of five (\$5.00) dollars to be paid on or before such examination. Such certificate shall entitle the person to use said abbreviation "T. A." to indicate that such person using the same is a "trained attendant." Said board in issuing a certificate shall also issue a pin with the words "Trained Attendant, Indiana," on the face of it. The pin should be worn at all times when on duty. It shall be unlawful for any person not having been granted a certificate, to use or display said title or initials or pin, and any person making unlawful use of either, shall be guilty of a misdemeanor and upon conviction shall be fined not more than fifty (\$50.00) dollars for each offense. All persons engaged in attendance upon the sick at the time this act becomes a law and who have been so engaged for two years prior thereto, said state board shall upon evidence as to the qualifications and fitness of such persons, which shall be furnished by three reputable physicians grant a certificate without examination. All persons who have been so engaged for one year or more and less than two years, shall upon submitting such evidence, be entitled to take the examination for "trained attendants" above pro-

vided for. All such persons shall be of good moral character and not less than nineteen years of age. The board shall be entitled to require and receive a fee of five (\$5.00) dollars for granting such certificate to "trained attendants." Application for such certificate under this waiver shall be made on or before December 1, 1921. The secretary shall be required to keep a record of the names, addresses, and dates of registration of all persons receiving certificates as "trained attendants" which may be duly registered hereunder. Said register shall be open to the inspection of the public at all reasonable times. Notice of examinations for such "trained attendants" shall be given in the public press not less than thirty days before such examination is held. Written notice shall also be sent by mail by the secretary of said board to all hospitals maintaining schools for "trained attendants." This act shall not be construed to affect or apply to gratuitous nursing of the sick by friends or members of the family, and also it shall not apply to any person nursing the sick for hire, who does not in any way assume to be a "trained attendant."

As the time was short for completing this work, a very intensive publicity program was put on by the secretary of the board. Stories concerning the registration of trained attendants under the waiver, were sent to all representative newspapers published in Indiana, and all journals and magazines as well. Letters were also sent to state and county institutions employing non-graduate nurses. Physicians were asked to co-operate by sending in names of applicants. In all of these letters copies of the section governing this were inclosed, as well as copies of the application used by the applicant.

As a result, one hundred sixty-two men and women were registered as trained attendants, issued certificates and pins were given them.

One of the things most needed in Indiana, was an educational director, whose employment was made possible through an amendment of the law of 1921, as follows:

The said "State Board of Examination and Registration of Nurses" is authorized to employ an educational director, for such time as in the judgment of the said board may be necessary, who shall be a registered nurse under this law, or who may be an expert registered nurse selected from some city outside of the State of Indiana, and whose duty it shall be to visit the nurses' training schools, located in the State of Indiana, and give advice, aid and encouragement to such schools and nursing students in maintaining high professional ideals, and keep them informed of the progressive technical methods such as obtain in other states and countries, and look over records and ascertain the educational status of such schools and students as prescribed by the board of examination and registration of nurses.

Said educational director shall be paid a salary not to exceed two hundred (\$200) dollars per month for the time actually employed, and in addition thereto, shall be entitled to all necessary traveling and other expenses incurred in the discharge of official duties. The salaries and expenses of the secretary and the educational director, and the per diem expenses of the members of the board in attending meetings and all other expenses necessary to carry out the purposes of this law, shall be paid from the examination and registration fees received by the board, and

no part of the salaries or other expenses of said board shall be paid out of the state treasury. (As amended by Acts 1921, p. 470.)

This section was previously amended by Acts 1913, p. 570.

Miss Mary E. Gladwin was secured to make a survey of the schools of nursing in Indiana, in May. She completed her work in September, and after making her confidential report of schools and conditions, it was deemed necessary to continue her services as educational director until many changes that are necessary in the various schools, shall be brought about.

It is quite essential that a uniform system of records and bookkeeping be established, and that all schools be brought up to the highest possible standards and that the requirements be met in all schools.

The work of the educational director, with the co-operation of the board, means that the schools of nursing will be put on a higher educational basis, and give more efficient service.

All record forms and bookkeeping in the office of the board have been changed to meet the present day demands of the department, and the system of bookkeeping as outlined by the State Executive Committee, for all departments.

The law regarding the registration of nurses is compulsory:

Section 8. Every person who shall have duly received a license and certificate in accordance with the provisions of this act shall be known and styled a "registered nurse," and it shall be unlawful after one year from the passage of this act for any person to practice or advertise as or assume the title of trained nurse or graduate nurse, or to use the abbreviations of "T. N." or "G. N.," or any other words, letters or figures to indicate that the person using the same is a trained, registered or graduate nurse, unless he or she shall first have received a license and certificate in accordance with the provisions of this act.

Section 9. This act shall not be construed to affect or apply to the gratuitous nursing of the sick by friends or members of the family, and, also, it shall not apply to any person nursing the sick for hire who does not in any way assume to be a registered or graduate nurse.

Section 10. Any person violating any of the provisions of this act shall be guilty of a misdemeanor, punishable by a fine of not less than twenty-five (\$25) dollars and not more than fifty (\$50) dollars for the first offense, and not less than fifty (\$50) dollars and not more than one hundred (\$100) dollars for each subsequent offense.

[ACTS 1911, p. 52.]

Section 1. That the State Board of Registration and Examination of Nurses shall have power to make and establish all necessary rules and regulations for the reciprocal recognition of certificates for nurses issued by other states and to prevent unjust and arbitrary exclusion by other states of registered nurses who have complied with the requirements of the laws of this state.

Section 2. All nurses who have served as such in the Army or Navy of the United States, and have been honorably discharged, shall be entitled to be registered without examination.

One of the actions of this department has been to stress this article of the law. Through the splendid co-operation of other departments and individuals, nurses who come into the state, are being registered as never before. During the year just closed, 103 have registered through reciprocity. Twenty have taken state board examination who have been out of schools of training from four to thirty years. It is the purpose of this board to have ALL nurses who work in Indiana to become registered.

The re-organization caused by the amendments of 1921 made necessary the revision of the Minimum Requirements and Curriculum for Schools of Nursing, and additional requirements for Schools for Trained Attendants. The constitution and by-laws of the board were accordingly revised.

The clerical work of the department has been so increased that it has been necessary to employ a permanent clerk and Miss Helen Campbell has been serving in this capacity since March, 1922, thus making for the department a full-time office, located in Room 333, State House.

In May of 1922, the board conducted an exhibit at the Health Exposition which was held at the State Fair Grounds, Indianapolis. This exhibit consisted of dressed dolls representing each school of nursing in the state. The dolls in nurse's uniforms, were grouped to represent the various departments of a school of nursing, surgery, diet kitchen, bed side, class room, living quarters for student nurses, etc. Sample records and material used in schools together with pictures of hospitals, nurse's homes, groups of nurses and interiors of rooms in hospitals were shown. Much favorable comment was made upon the display and the educational effect of it as a means of interesting young women in entering schools of nursing, remains to be seen.

The secretary was sent to the Seattle conference. This conference is composed of the three national nursing organizations and is held biennially. Nurses prominent in national affairs were in evidence and many important phases were discussed and plans for higher standards and efficiency were constantly discussed in the sessions. The matter of reciprocity is one phase that will be taken care of through a new section that was formed, the Legislative Section of the American Nurses' Association. Indiana has conditional reciprocity with thirty states. The Indiana Board of Examination and Registration hope gradually to raise the educational requirements of applicants until Indiana may have unconditional reciprocity with any state.

Four meetings of the board have been held as follows: Regular meeting and semi-annual examination for registration of applicants, November, 1921; called meeting to censor questions and discuss employment of educational director, February, 1922; annual meeting and semi-annual examination, May, 1922; and called meeting September 9, 1922, to hear confidential report of Miss Gladwin's survey of schools.

In September, 1922, the board held an Institute for Superintendents and Instructors of Schools of Nursing, in Indianapolis, September 11, 12, 13. These sessions were held in the Nurses' Home at the Protestant Deaconess Hospital and in the lecture rooms of the Indiana University School of Nursing. Thirty of the thirty-four accredited schools

were represented. The institute was very beneficial and interesting and many schools will profit by it.

Indiana has thirty-four accredited schools of nursing. Two new ones have been accredited during the year, one discontinued and one re-instated.

The report of the schools follow:

Number of applicants for registration by examination during year.....	298
Number failing on first examination.....	19
Number failing on second examination.....	3
Number of applicants to enter training schools.....	595

Of this number ninety-five were sent to one hospital, fifty to another and the remaining applicants were distributed to various schools. One school did not accept any applicants during the year and the decrease in several other schools was quite noticeable.

The re-organization of the curriculum of the City Hospital in Indianapolis, provides for a splendid affiliation for the schools where such is needed in order to meet the requirements. All schools that are accredited with affiliation, except one, send their students to the City Hospital for six months. Elkhart General Hospital, Elkhart, sends its students to Cook County Hospital, Chicago. A very necessary affiliation was established between St. Joseph's and Lutheran Hospitals of Fort Wayne and the Irene Byron Tuberculosis Sanatorium of Fort Wayne. The need of more nurses specially trained for tuberculosis work is very much evidenced by the demand for the same. Several hospitals have planned for the affiliation of their students in Pediatrics and Contagious Diseases, at the City Hospital, because of the splendid opportunity offered in these departments. These schools are taking such work as an elective course, not because of its being required.

The following is a list of accredited schools with and without affiliation.

Hospital	Location	Superintendent of Schools	Number Beds	Number Students	Am. J. Nurse
Prot. Deaconess	Evansville	Sr. Carolina Braun	65	18	Yes
Muncie Home	Muncie	Bernetha Smith	50	20	Yes
Epworth	South Bend	Margaret Parker	75	29	Yes
Lutheran	Fort Wayne	Anna M. Holtman	125	68	Yes
St. Joseph's	South Bend	Sr. M. Hortensia	50	22	Yes
St. Mary's	Evansville	Sr. M. Alix	140	23	Yes
St. Mary's Mercy	Gary	Sr. M. Angelica	140	32	Yes
St. Elizabeth's	Lafayette	Sr. M. Leonissa	250	34	Yes
City	Indianapolis	Josephine Mulville	500	80	Yes
Walker	Evansville	Metta Gould	75	40	Yes
Prot. Deaconess	Indianapolis	L. L. Goeppinger	135	40	Yes
St. Joseph's	Fort Wayne	Sr. M. Odilo	180	50	Yes
Robt. W. Long	Indianapolis	Mrs. Ethel Clarke	118	70	Yes
Union	Terre Haute	Ethel Chisholm	110	34	Yes
St. Joseph's	Mishawaka	Dorothy E. Brady	90	21	Yes
Good Samaritan	Vincennes	Edith G. Willis	90	21	Yes
Methodist	Indianapolis	Fannie W. Paine	361	149	Yes
Methodist Branch	Ft. Wayne	Emma Stoll	125	41	Yes
St. Vincent's	Indianapolis	Sr. M. Rose	250	88	Yes
Hayden	Evansville	Margaret Ashworth	46	14	Yes
Good Samaritan	Kokomo	Sr. M. Vincent	45	10	Yes
Home Hospital	Lafayette	Clara B. Pound	81	22	Yes
Reid Memorial	Richmond	Elizabeth Springmyer	65	25	Yes
St. Anthony's	Terre Haute	Sr. M. Margarita	175	32	Yes
St. Margaret's	Hammond	Sr. M. Adelberta	135	18	Yes
St. John's	Anderson	Myrtle Newkirk	100	10	No
St. Antonio	Gary	Sheila Farrell	50	8	No

WITH AFFILIATION

Grant County	Marion	Virginia Witmer	40	15	No
Fletcher Sanatorium	Indianapolis	Ella Connelly	50	20	Yes
Huntington County	Huntington	Elizabeth Springer	31	11	Yes
Bloomington	Bloomington	Harriett Jones	35	14	Yes
Elkhart General	Elkhart	Mary E. MacDonald	60	23	Yes
Laura A. Kindig	Goshen	Laura Fell White	No report		
Wabash County	Wabash	Adah B. Strayer, acting Supt.	No report		

A large per cent of the hospitals throughout the state are building additions and several are building or planning to build new nurses' homes.

FINANCIAL REPORT FOR YEAR ENDING SEPTEMBER 30, 1922.

Registrations by examination, 298	\$2,980 00
Registrations by reciprocity, 103	1,030 00
Registrations of trained attendants, 162	810 00
Certificates re-issued, 2	2.00

Balance available October 1, 1921	\$4,822 00
	5,568 16

DISBURSEMENTS

Per cent of members	546 80
Traveling expenses	1,092 53
Office supplies, postage, communication, etc.	902 17
Salary of Secretary	1,500 00
Salary of Clerk	661 05
Salary of Educational Director	1,000 00

	5,702 55
Balance available October 1, 1922	\$4,687 61

REQUIREMENTS PERTAINING TO EXAMINATION OF NURSES

1. Examinations of applicants will be held semi-annually. Notice of time will be mailed to the superintendents of all registered schools of nursing one month in advance of the date set.

2. Applications for registration, accompanied by registration fee of ten (\$10.00) dollars, must be in the hands of the secretary ten days previous to date of the examination, and will be refused if not, until the next examination. All questions will be answered under oath, and all statements filled out in applicant's handwriting. No applicant will be admitted to the examination unless thus qualified.

3. The Board of Examiners will not recognize the diploma from any hospital that is not recognized by its own State Board of Examiners.

4. Members of the board shall not sign applications for registration.

5. Applicants unable to take the examination at the appointed time may have their papers transferred to the time when the next examination will be held. Such applicants, and those who have applied some months in advance, will be furnished with temporary permits authorizing them to practice nursing until the next meeting of the board, when the permit will become void.

6. If applicant is found ineligible the fee will be returned by state warrant only. All applications will be filed by the secretary. Candidates who have received a general average of 75 per cent are entitled to certificates, provided they do not fall below 70 on more than one subject. Applicants who fail may appear at the following examination in the subjects in which they failed.

EMPHATIC

7. Penmanship, spelling and English, as well as technical knowledge, will be considered in marking all papers.

8. Examinations are held the second Wednesday and Thursday in May and the second Wednesday and Thursday in November, on the following subjects: Materia Medica; Diseases of Children; Obstetrics and Gynecology; Medical Nursing; Ethics and History of Nursing; Surgical Nursing; Anatomy and Physiology; Practical Nursing; Bacteriology and Hygiene, and Dietetics.

9. A student may be eligible for examination within ninety (90) days, i. e., before September 1st and March 1st, of the completion of her course, providing her classwork has been finished and examinations held in same.

10. No certificate will be granted by the board until evidence is filed that the diploma of the school has been conferred. All diplomas and certificates must be dated so as to show the full time of training.

11. All nurses to whom a certificate of registration shall be issued, shall, within sixty days thereafter, cause the same to be recorded with the county clerk of the county in which they resided at the time the certificate was issued. Certificates not registered within this period are nullified. Duplicate certificates of registration will be issued upon proof

of the loss or destruction of certificate, for which a fee of \$1.00 will be charged.

12. Each applicant will be sent a card of admission to the examination, to be presented on the opening day.

The following rules for accrediting Schools of Nursing were adopted by the Indiana Board of Examination and Registration of Nurses, May 9, 1922:

1. The School of Nursing, or the institution of which it is a part, must be incorporated, and will be inspected by a member of the Nurses' Examining Board upon its receiving its formal application for registration. A school of nursing shall be connected with a general or special hospital having not less than twenty-five beds for patients and a daily average of not less than fifteen patients. The number of student nurses in any one school shall not be less than six.

2. The School of Nursing shall require that all applicants be not less than eighteen years of age. The School of Nursing shall also require, after September 1, 1922, that all applicants furnish the Indiana State Board of Examination and Registration of Nurses, proof of completion of one year of high school, or its equivalent, using for this purpose student nurse application blank as adopted by this board, said blank to be sent to the secretary of the board before applicant is admitted to the School of Nursing. If applicant's qualifications meet requirements of board, admission certificates will be sent to the superintendent of school to which applicant has applied; upon receipt of which, student may be admitted. If applicant is found ineligible, the secretary of the board will so notify superintendent of school, stating reasons for same.

3. A probationary period of not less than three months shall be maintained. The course of instruction shall cover at least eight months of the year. Two years of the prescribed course must be devoted entirely to hospital training; the third year, or a part thereof, may be spent in recognized colleges, technical schools or with public health organizations, subject to the approval of the State Board of Examination and Registration of Nurses.

4. Schools of Nursing shall not place their pupils on special or private cases in the hospital for pay, until they have completed their second year, nor for a period exceeding three months during the third year.

5. The hospital shall make necessary provision for conducting a School for Nursing by providing the following departments of nursing:

THEORETICAL

Said School of Nursing shall give a course to nurses covering at least three years. This course of instruction shall include not less than 500 hours of didactic instruction on the following subjects: Medicine, including infectious diseases; Surgery, Children's Diseases, Obstetrics and Gynecology; Dietetics, Hygiene, Bacteriology, Ethics, Materia Medica, Anatomy and Physiology, Massage, Elementary Urinalysis, Mental and Nervous Diseases, and Diseases of Eye, Ear, Nose and Throat, and Practical Nursing.

PRACTICAL

The hospital shall make necessary provision for conducting a School for Nursing by providing practical experience in the following departments: Medicine, Surgery, Children's Diseases and Obstetrics (Genito-Urinary for male nurses), each student to have the care of not less than six cases, including labor and delivery and care of the infant. Experience in the care of Eye, Ear, Nose, Throat and Infectious Diseases, is highly desirable and should be included whenever possible.

6. Hospitals of special or limited training must affiliate with some recognized general hospital for such supplemental training as may be necessary to meet the requirements as set forth in this curriculum. Hospitals required by the board to affiliate with a larger hospital must be supplied by the large hospital with the same number of nurses of equal training as is furnished by the small hospitals as far as practicable.

Experience in the various services may be estimated in terms of days spent in the special departments or in terms of days spent in the special departments or in terms of patients of each type cared for.

7. The school shall provide proper and adequate facilities for class instruction. The classroom must be well lighted and provided with student's tablet chairs and a good sized blackboard, a skeleton and manikin. This classroom should contain the necessary apparatus for the demonstration and practice of nursing procedures unless a separate demonstration room is maintained. There must be a diet kitchen and the necessary equipment for teaching purposes; the necessary laboratory equipment for the teaching of chemistry, bacteriology and analysis of urine.

8. Schools of Nursing connected with hospitals not providing adequate opportunities for experience in all the above branches must become affiliated with institutions approved as giving such experience. Nurses shall not be sent out by an accredited school for pay during training.

9. (a) No School of Nursing shall accept a nurse who has been in training elsewhere without written statements in regard to preliminary education, health and character, and a complete record of previous training signed by the former superintendent.

(b) No person shall be promised any definite amount of credit for time spent in previous training until said person shall have served minimum probation of three months. The amount of credit given shall be governed, in the judgment of the Superintendent of Nurses, by applicant's skill and knowledge in practical work as shown during probation and by class and lecture work required, in order that, upon graduation, applicant will be assured the number of hours in practice and theory as set forth in curriculum for an accredited school.

(c) No credit shall be given for less than six months' previous training. Full credit may be given to students of an accredited school which had gone out of existence before course of training was completed.

10. A record shall be kept of all students; entrance requirements; all class, lecture and laboratory work, all practical work, deportment, and general ability and efficiency. The superintendent of an accredited School of Nursing will be required to submit for each graduate nurse at the time of her application for certificate of registration, a record of her theoretical and practical work and the standings of same while the pupil is in training. When necessary to arrange for affiliation, record must show name of affiliating school, length of time in each school, number of lectures and classes, by whom given, grading on examination, and practical work required in service.

The schools which affiliate have the privilege of arranging for affiliation to take place any time during the third year.

11. Proper living conditions must be provided for the students. A separate building or a building erected for the purpose is desirable with sufficient furniture and closet room for each student, and one bathroom and one toilet for each ten students; a general library and a reception room; a suitably furnished, clean dining room, food well cooked, ample and of sufficient variety, with enough help for prompt service. It is essential to have at least one graduate nurse in charge of each residence.

12. All nurses acting as superintendents of hospitals and principals of training schools, and all salaried nurses connected with these schools, hospitals and sanitariums, must be graduates of recognized training schools for nurses and must be registered in Indiana. The principal of the training school must have had executive experience in training school methods and management and she must be given at least two graduate assistants.

13. A school of over twenty-five students shall employ a full-time nurse instructor. Superintendents will be required to make annual reports to the board, the board furnishing the blanks for such reports.

14. It is essential that hours of duty be shortened. Schools having a maximum of fifty-six hours ward duty per week will receive a higher rating by the State Board of Examination and Registration of Nurses, than those demanding longer hours.

ARRANGEMENT OF COURSE.

Providing for 500 Hours Work as Required by Law.

FIRST YEAR

First Half

1. Nursing Procedures. 64 hours (2-hour periods). Includes hospital ethics; hospital housekeeping; demonstrations and drills in elementary nursing procedures; care of utility rooms and nursing appliances; tray service.

2. Elementary Materia Medica. 16 hours. Preparation of solutions; drill in use of metric apothecaries' system; action and dosage of the simple drugs to be given by the nurse instructor.

3. Anatomy and Physiology. 32 hours. Includes a study of the biological systems and of the various systems of the human body.

registration; Red Cross nursing service; course to be conducted by Superintendent of Nurses with assistance of special lecturers qualified for each phase of the course.

3. Electives. 12 hours. Introduction for special branches of nursing. Course directed by Superintendent of Nurses with assistance of teachers qualified in the various branches. Includes: (a) Laboratory technique; (b) institutional administration; (c) public health and social service; invalid occupation.

4. General Review of Course. 12 hours.

Total of Course—500 hours.

RECOMMENDED TEXT BOOKS

Anatomy and Phsiology—Anatomy and Physiology for Nurses, Kimber-Gray.

Bacteriology—Bacteriology for Nurses—Smeeton or Eisenberg.

Dietetics—Dietetics for Nurses, Proudfit.

Diseases of Children—Diseases of Children, for Nurses, McComb or Ramsey.

Ethics—Nursing Ethics, Robb.

Materia Medica—Materia Medica for Nurses, Blumgarten.

Medical Diseases—Essentials of Medicine, Emerson.

Nursing—Practical Nursing, Maxwell-Pope.

Obstetrics—Obstetrics for Nurses, Cook or DeLee.

Surgical Diseases—Essentials of Surgery, MacDonald; or, Surgical Nursing, Keller-Colp.

Texts recommended for the following subjects if text books are used during the courses:

Chemistry—Elementary Study of Chemistry, McPherson and Henderson.

Mental and Nervous Diseases—Nursing in Mental Diseases, Bailey.

History of Nursing—Short History of Nursing, Dock-Stewart.

TABLE SHOWING NUMBER OF HOURS OF THEORY AND THE AVERAGE FOR EACH WEEK

FIRST YEAR		
	Hours	Average per week
First Half	128	8 hours
Second Half	96	6 hours
SECOND YEAR		
	Hours	Average per week
First Half	104	6½ hours
Second Half	64	4 hours
THIRD YEAR		
	Hours	Average per week
First Half	56	3½ hours
Second Half	52	3¼ hours
Total	500	(Including electives, 12 hours)

SCHOOLS FOR TRAINED ATTENDANTS

REQUIREMENTS

1. A school for the training of attendants may be established in connection with a hospital or sanitarium in which there is not an accredited school for the training of nurses. Such school for trained attendants must be approved by the Indiana State Board of Examination and Registration of Nurses.

2. The hospital or sanitarium must provide teaching and experience covering a period of twelve months in:

(a) Care of bed patients.

(b) Care of chronic and convalescent sick.

It may also include care of the tuberculous, mentally deficient, the insane, children and aged.

3. Teachers. There must be a superintendent of the school who is a registered nurse in the State of Indiana, and who is qualified to instruct the students in practical nursing procedures, and give or supervise their instruction and work.

4. Classroom. There must be a classroom provided which may also serve as a demonstration room. The classroom must be well lighted, heated, ventilated and equipped.

5. Student's Residence. There must be suitable living conditions with proper sleeping quarters, bathroom and toilet accommodations.

6. Records. A complete record of each student must be kept on file and open to inspection at any time. The record must show:

1. Date of Entrance.

2. Education.

3. Physical condition.

4. Hours of instruction in each required subject.

5. Practice work.

6. Efficiency.

7. Grades on examination in each subject.

REQUIREMENTS FOR ADMISSION TO A SCHOOL FOR TRAINED ATTENDANTS

1. Applicants must be not less than eighteen years of age. They must be able to read and write the English language and understand simple arithmetic.

2. Applicants must present evidence of good character and moral standing in their own community.

COURSE OF INSTRUCTION

The course of instruction covers a period of twelve (12) months and includes:

(a) Practical work.

(b) Class work.

(a) Practical work must include: 1. Probation, 1 month. 2. Diet kitchen, 1 month. 3. Night duty, not to exceed 2 months.

Attendants must not be placed on special duty during year of training.

(b) Class work required.

Subject.	Hours.
Elementary Nursing. 2-hour periods.....	40
Hygiene	10
Plain Cooking and Diet for the Sick. 2-hour periods.....	20
Ethics and Etiquette	5
	—
	75

To this shall be added such subjects as:

Tuberculous Nursing.

Care of the Insane.

Care of the Feeble-Minded.

Care of Mothers and Children.

etc., when practical experience in these branches is given in the hospital or sanitarium.

ELEMENTARY NURSING—20 PERIODS OF 2 HOURS EACH

The necessary details of anatomy and physiology should be given in connection with each lesson.

While some theoretical teaching will be needed, the classes should be as simple and practical as possible. Each student should have opportunity for the practice of each procedure under the supervision of the teacher.

OUTLINE OF CLASSES

Introduction. Principles of good nursing; the patients' surroundings; plan and arrangement of wards and sick rooms.

Care of walls, floors, rugs, furniture.

Sweeping, dusting, care of utensils.

Cleaning and polishing—removal of stains from floor, marble, wood-work, etc.

Care of bathrooms, tubs, toilets, drains.

Care of linen, taking out stains, mending, beds and bedmaking.

Making the patient comfortable in bed, and attending to physical needs.

Moving and carrying helpless patients.

Bathing patients: the tub bath, bed bath, toilet of mouth and hair, etc.

Washing the hair in bed.

Care of the skin: Bed sores, the prevention and treatment.

Relief of common discomforts, causes, prevention and treatment.

What to observe and record about a sick patient's condition: temperature, pulse and respiration.

Keeping simple chart.

Assistance in examination of a patient.

Administration, common medications.

Local applications for inflammation and congestion: Ice bag, ice coil; compresses: Hot water bag, poultices—mustard plaster and mustard foot bath.

Nursing measures in simple infectious conditions.

Irrigations of throat; inhalations.
 Disinfection of linen and excreta.
 Vaginal douche and preparation for usual gynecological examinations and treatments.

Simple enema: Stimulating enema.
 Sponge bath. Alcohol rub.
 First aid and simple bandaging.
 Care of the body after death.
 Care of mothers and infants.
 Care of children.
 Care of chronic and convalescent.
 Care of tuberculous, aged, feeble-minded.

HYGIENE—10 PERIODS OF 1 HOUR EACH

Outline of Classes

Personal Hygiene, 3 Periods.

Physiology indicated.
 Personal cleanliness, bathing, care of hands, teeth, hair, feet.
 Sleep, recreation, work. Shoes, corsets, dress.
 Headache, menstruation, constipation, sore throat.

Home and Hospital Hygiene, 1 Period.

Air ventilation, temperature, humidity.
 Disposal of sewage, plumbing system.

Public Sanitation, 1 Period.

Water, ice, food.
 Importance of public health.

Bacteria, 5 Periods.

Origin and growth of bacteria.
 Relation to health and disease.
 Flies and other pests as carriers of disease.
 Antisepsis, asepsis.
 Methods of disinfection, sputum, clothing, dishes, etc.
 Disinfectants, deodorants, antiseptics.
 Disinfection of hands—sterilization.

PLAIN COOKING AND DIET FOR THE SICK

1. Cooking of cereals.
2. The making of puddings: Rice, corn starch, tapioca, etc.
3. Eggs: Soft cooked, hard cooked, scrambled, omelet, soft custard and baked custard.
4. Frozen dishes: Ice cream, sherbet, water ice, junket.
5. Quick breads.
6. Cooking of dried vegetables: Peas, beans, lentils, kidney bean stew, etc.
7. Cooking of other vegetables.
8. White sauce, cream toast, cream soups, creamed vegetables.
9. Cooking of furit: Fresh and dried.
10. Cooking of meat.
11. Cooking of fish.

12. Simple salads and salad dressings.
13. Beverages: Tea, coffee, chocolate, cocoa, fruit drinks.
14. Fluid diet.
15. Food for well children, 2 to 4 years old.
17. Food for well children, 4 to 8 years old.
18. Food for well children, 8 to 16 years old.

ETHICS AND ETIQUETTE—5 PERIODS

The special field of the attendant.

Principles of conduct.

Relation to patient.

Relation to physician.

Relation to nurse.

Etiquette in hospital and home.

BOOKS RECOMMENDED FOR CLASS WORK AND REFERENCE

Delano. American Red Cross Text Book of Home Hygiene and Care of the Sick.

Henderson. Practical Nursing.

Nightingale. Notes on Nursing.

Holt. Care and Feeding of Children.

Starr. Hygiene of the Nursing.

Conn. Bacterial Yeasts, and Molds in the Home.

Farmer. Foods and Cookery for the Sick and Convalescent.

REPORT OF STATE BOARD OF DENTAL EXAMINERS

MEMBERS OF BOARD

V. H. KNAPP, President.
H. C. MCKITTRICK, Secretary-Treasurer.
E. C. BACHFIELD.
C. A. NIXON.
ROBERT R. GILLIS.

ORGANIZATION

The law regulating the practice of dentistry was enacted in 1899 and amended in 1903, 1913 and 1917.

The State Board of Dental Examiners consists of five reputable practicing dentists, who have been in practice in this state not less than five years, one of whom is appointed by the Governor, one by the State Board of Health and three by the State Dental Association, each member of which serves for a term of two years.

DUTIES

It is the duty of the State Board of Dental Examiners to examine persons who wish to practice dentistry in the state; to issue licenses to those applicants who pass a satisfactory examination and have the necessary qualifications; to issue the annual renewal license certificates to those dentists who wish to continue in the practice of their profession and who have continued in good standing, and to revoke the licenses of practitioners for failure to comply with the dental law for incompetency, gross neglect of duty or other sufficient cause.

WORK OF BOARD

During the year two regular meetings and one special meeting of the Board have been held. A special meeting was held in Frankfort, October 21, 1921, for the investigation of the illegal cases reported from that county. The first regular meeting was held November 14th to 19th inclusive, at which time fourteen applicants were examined and nine were licensed to practice in this state. The second regular meeting was held June 11th to 17th, at which time seventy-one applicants were examined, fifty-eight of whom were licensed to practice. At the June meeting twenty licenses were cancelled for non-payment of the 1922 annual registration fee, one duplicate license has been issued, the payment of four penalties for non-payment of the 1921 licenses have been made, two reciprocal certificates have been issued and three licenses which were previously cancelled by the Board have been reinstated.

At this time one case is pending in the Supreme Court and one prosecution has been entered in the Vigo County Court.

FINANCIAL REPORT

Balance reported October 31, 1921.....	\$346 16
Amount received from all sources.....	3,594 00
Total	<u>\$3,940 16</u>

DISBURSEMENTS

Board members per diem.....	\$1,222 69
Secretary-Treasurer salary	1,100 00
Secretary's bond	6 00
Clerk hire	465 97
Dues N. A. D. E.	45 00
Printing and supplies.....	208 60
Postage and envelopes.....	82 70
Refund check	20 00
	<u>3,150 96</u>
Balance reported September 30, 1922.....	<u>\$789 20</u>

REPORT OF STATE BOARD OF PHARMACY

MEMBERS

LAWSON J. COOKE, Pres., Goodland
EDWARD A. STUCKMEYER, Indianapolis
FRANK B. MEYER, Gary
R. I. BEDDOE, Bedford
CHARLES E. REED, Secy., Winchester

ORGANIZATION

The Indiana Board of Pharmacy was created in 1899. It consists of five registered pharmacists of recognized experience and ability, actually engaged in the retail drug business, appointed by the Governor for terms of four years, not more than three of whom may belong to the same political party. Vacancies in the membership of the board are filled by the Governor; no person connected with any school of pharmacy is eligible to serve and the Governor may remove any member for cause. The board elects a president and a secretary from among its own members, who hold office for one year. The regular meetings of the board are held quarterly on the second Mondays of January, April, July and October. Additional meetings may be held if required for the necessary transaction of business. Each member of the board, except the secretary, receives as compensation the sum of \$5 per day for each day actually engaged in the work, together with the necessary expenses. The salary of the secretary is \$1,500 per year and the necessary expenses.

DUTIES

The duties of the board of pharmacy are to enforce the provisions of the drug and narcotic laws of the state; to examine and license pharmacists; to register pharmacists who continue in good standing; to revoke the licenses of registered pharmacists for cause; to promulgate such rules and regulations as may be necessary to carry out the provisions of the drug laws, and to enforce the drug and narcotic laws and conduct prosecutions against persons guilty of violating its provisions.

REGISTRATION OF PHARMACISTS

By virtue of the provisions of the drug law, no person is permitted to conduct a store or pharmacy in which drugs, chemicals or medicines are sold at retail unless there is a registered pharmacist in charge. The purpose of this law is to protect and safeguard the lives of the people of the state by prohibiting the sale of poisons or compounds containing poisons by persons who do not have a scientific knowledge of the nature and properties of drugs or the proper filling of prescriptions. For the purpose of ascertaining the scientific knowledge and other necessary qualification of persons who wish to engage in the business of selling drugs

and compounding prescriptions, the State Board of Pharmacy holds four examinations each year, on the second Mondays of January, April, July and October, at which candidates may appear and be examined. The law recognizes two grades of pharmacists, which are known respectively as registered pharmacists and registered assistant pharmacists.

Registered Pharmacists. To be licensed as a registered pharmacist a candidate must be at least twenty-one years of age, must produce evidence of having had not less than four years' experience under a registered pharmacist and in a pharmacy or drug store where physicians' prescriptions are compounded, must pass a satisfactory examination and must pay a prescribed fee. Beginning with January 1, 1920, no one will be eligible for examination unless he has had two years in high school or its equivalent and holds a diploma of graduation from a college of pharmacy of recognized standing; except that any person licensed as an apprentice pharmacist or who holds the degree of registered assistant pharmacist is not affected by this law.

Registered Assistant Pharmacist. The same regulations apply to candidates for registered assistant pharmacist license except that he must be not less than eighteen years of age and must have had not less than one year's experience. The requirements so far as high school and college of pharmacy are concerned apply the same as for registered pharmacists.

Time actually spent in a college of pharmacy, if graduated therefrom, is taken by the board in lieu of an equal amount of time spent in a pharmacy; to the extent of two school years in case of applicants for registered pharmacist and not less than six months in case of applicants for registered assistant pharmacist.

Reciprocal Licenses. The board may, in its discretion, issue licenses of the grade of registered pharmacist or as registered assistant pharmacist, without examination, to any person who produces a certificate of registration of equal grade from any other state which requires a degree of competency and experience equal to that required of applicants in this state.

Registration. All licenses to pharmacists and assistant pharmacists are issued for a period of two years, or the unexpired portion thereof, preceding the next regular date of registration. Any person who desires to continue as a pharmacist may do so by registering with the board within thirty days after the expiration of his former license.

Registration Fees. The fees for registered pharmacists are as follows: Examination, \$5.00; re-registration, \$2.00; registration by certificate from another state, \$15.00. The fees for registered assistant pharmacists are as follows: Examination, \$3.00; re-registration, \$1.00; registration by certificate from another state, \$5.00. All fees are payable to the secretary of the board with the application.

Revocation of Licenses. The pharmacy board has the authority to revoke the license of any pharmacist for violation of the drug laws of the state.

ENFORCEMENT OF DRUG LAW

The important provisions of the drug laws of the state which the board of pharmacy is authorized to administer are the following: To

see that each store or pharmacy in which drugs, chemicals or medicines are sold at retail is in charge of a registered pharmacist; that no drug store or pharmacy distributes samples of medicine from house to house or gives them away to children under sixteen years of age; that no cocaine, alpha or beta eucaine, opium, morphine or heroin, cannabis indica or any salt or derivative of any such drugs or any prescriptions containing them are sold at retail except by registered pharmacists, and then only upon the written prescription of a licensed physician or dentist, and to enforce the laws relative to the sale of liquor by druggists.

With the disappearance of the whisky drug stores from the state the business of the balance is of a very high standard. The narcotic evil is in a great measure disappearing. Many of the druggists have announced their intention of discontinuing the handling of narcotics entirely.

There is not the quantity of narcotics used by physicians that there was formerly, judging from the prescriptions written by them. The number of addicts is now almost a negligible quantity. This condition has been brought about by constant surveillance, and the system of reports required of each druggist who handles any at all. A few more years will see the end of narcotics except as used in a legitimate way.

Two narcotic inspectors were appointed September 1st and are actively engaged in calling on druggists all over the state and making special visits where a question arises regarding violation of narcotic laws.

WORK OF BOARD

The board of pharmacy held four meetings during the year for examining applicants for registered pharmacist and assistant registered pharmacist and five special meetings for transaction of business.

The board of pharmacy sent one delegate to the convention of the National Boards of Pharmacy which was held at Cleveland, O.

The board examined 136 applicants for the grade of registered pharmacist of which number sixty-five were successful in passing with a grade of 75 per cent or better. Also, they examined seventy-six applicants for the grade of assistant registered pharmacist; of this number sixty-nine were successful in making a grade of 75 per cent or better.

Total number examined was 212.

Thirty were granted reciprocal certificates from other states.

There were 204 apprentices applied for registration which were granted.

Total number of registered pharmacists in good standing 3,852.

Total number of assistant registered pharmacists in good standing 374.

FINANCIAL STATEMENT

Balance on hand October 1, 1921.....	\$9,175 72
Receipts to September 30, 1922.....	1,515 50
Total	\$10,691 22
Disbursements to September 30, 1922.....	4,685 02
Balance on hand September 30, 1922.....	\$5,906 20
Disbursement of anti-narcotic fund was \$4,426.05.	

REPORT OF THE BOARD OF REGISTRATION AND EXAMINATION IN OPTOMETRY

MEMBERS OF THE BOARD

JOHN H. ELLIS, President, South Bend.
B. F. KRUCKEMEYER, Treasurer, Evansville.
C. D. ADAIR, Secretary, Elwood.
ORRIS BOOTH, Valparaiso.
H. M. CANTWELL, Indianapolis.

ORGANIZATION

The State Board of Registration and Examination in Optometry was created in 1907. It is a self-sustaining board of five members, appointed by the Governor, to serve for terms of three years.

The board consists of five licensed, and registered practicing Optometrists. The board meets in annual session and holds special meetings as necessary for examination.

DUTIES

Before beginning the practice of Optometry every person is required to pass an examination before the Optometry Board on subjects covering his knowledge and ability in the employment of means other than the use of drugs for the measurement of the power of vision and the adaptation of lenses for the aid and correction thereof.

The board is required to prescribe the minimum requirements which must be complied with by applicants before receiving certificates to practice; a schedule of minimum requirements and rules for the recognition of schools of optometry, in order to keep the proficiency up to the standard of other states; to conduct the necessary examination of applicants; to issue licenses to successful candidates; to issue renewals of certificates to practitioners in good standing and revoke licenses for gross incompetency or other satisfactory reasons.

MEETINGS

During the last year the board has received eighteen applications, examined seventeen candidates, thirteen of whom made passing grades.

FINANCIAL STATEMENT

Balance on hand.....	\$314 49
Amount received from all sources.....	1,189 00
Total	\$1,503 49
Disbursements	1,371 73
Balance on hand.....	\$121 76

REPORT OF THE STATE BOARD OF EMBALMERS

MEMBERS OF THE BOARD

J. P. RAGSDALE, Indianapolis, President.
CHAS. M. EWING, Shelbyville, Vice-President.
J. U. MAYNARD, Winchester, Secretary-Treasurer.
M. B. STULTS, Huntington.
HARRY M. ALLEN, Peru.

In 1901, by an act of the legislature, the embalmers of the state were placed under the control of a board of practical embalmers; previous to that time they were under the supervision of the State Board of Health. This board consists of five members, who are appointed by the Governor, and whose term of office is for four years.

It has been the custom and duty of the board to act at all times in conjunction and in full harmony with the State Board of Health to obtain and maintain the best sanitary conditions, both by direct work and supervision, and by granting licenses only to those who prove themselves competent to look after such matters in a scientific way.

There are at present 1,589 licenses in force in the state, and it has been the aim at all times to keep the class up to the highest standard of proficiency.

The Indiana State Board is self-sustaining in every way, and all expenses arising are paid from funds derived from the examination and reciprocal fees and renewals.

Reciprocal licenses are issued to all other states whose standards are equal to the ones required by Indiana.

Two examinations are held each year, one in the spring and one in the fall, and a general average of 75 per cent is required to pass. The examinations are on anatomy, bacteriology, sanitation and disinfecting, and practical work in embalming, etc.

FINANCIAL STATEMENT.

RECEIPTS

1,581 Renewals of Licenses.....	\$1,581 00
28 Information Blanks	28 00
101 Examination Fees	505 00
12 Reciprocal Fees	195 00
8 Reinstatement Fees	40 00
Interest on monthly deposit.....	1 80
	<hr/>
	\$2,350 80
Error	1 00
	<hr/>
Total	\$2,351 80

EXPENDITURES

Per diem to members of board, salary of secretary, postage, etc.....\$1,879 83

RECAPITULATION

Balance on hand October 1, 1921.....	\$1,747 96
Receipts	2,351 80
	<hr/>
	\$4,099 76
Expenditures	1,879 83
	<hr/>
Balance	\$2,219 93

REPORT OF INDIANA STATE BOARD OF REGISTRATION

For Professional Engineers and Land Surveyors

MEMBERS OF THE BOARD

R. L. McCORMICK, Chairman.
CLYDE A. WALB, Vice-Chairman.
CHAS. W. COLE, Member.
HARVEY M. ANTHONY, Member.
HERBERT FOLTZ, Member.
DeWITT V. MOORE, Secretary.

The Act to regulate the practice of professional engineering and land surveying originated as House Bill 43, was approved March 10, 1921, and became effective May 31, 1921.

The date beyond which it was unlawful for any person to practice or offer to practice professional engineering or land surveying in Indiana, unless duly registered, was December 1, 1921.

The Act provided for the granting of certificates of registration without examination to those practicing professional engineering or land surveying at the time the Act became effective, provided application was made within one year. This provision expired May 31, 1922, and section 10 of the Act became void on that date.

The 1921 Year Book, page 816 to 819 inclusive, contains the only report issued for the partial year August 8, 1921, to September 30, 1921.

At meeting May 12 and 13 there was presented an invitation from the National Council of Architectural Registration Boards for representation of Indiana at the Third Annual Meeting in Chicago. Such representation was authorized and the chairman appointed as delegates, Herbert Foltz and DeWitt V. Moore. Mr. Arthur Peabody (Wisconsin), President of the Council submitted to the Indiana Board June 27, 1922, the conditions under which Indiana may have full recognition by the National Council in reciprocity with twenty-one (21) other states having architects registration laws. Twenty-four states now have architects' registration laws.

The Act provides that before the first day of December of each year a roster showing the names and places of business and residence of all registered professional engineers and land surveyors shall be prepared by the secretary. The first roster is dated September 30, 1922.

At meeting of the board January 21st, special committees were created as follows: Committee on Examinations, Committee on By-Laws.

Three standing committees: Executive, Financial and Examinations are authorized under section one of By-Laws.

The principal opinions from the Attorney General since the publication of the Indiana 1921 Year Book are as follows:

- (1) October 19, 1921—Return of entire amount of fee when evi-

dence submitted indicates that applicant is exempt because not engaged in the practice of professional engineering and upon applicant's request for withdrawal of his fee.

(2) December 2, 1921—Replies from references are confidential.

BOARD MEETINGS

Section 6 of the Act provides that the board shall hold at least two regular meetings each year. The board as provided by the same section met within 30 days after appointment, on August 8-9, 1921.

SUMMARY OF YEAR'S WORK

Total applications received.....	1,083
Registrations granted—	
Professional Engineer, Sec. 9.....	387
Professional Engineer, Sec. 10.....	517
	904
Land Surveyors, Indiana, Sec. 9.....	9
Land Surveyors, Reciprocity, Sec. 9.....	5
Land Surveyors, Sec. 10.....	34
	48
Total registrations as shown by roster.....	952
Registrations to board members, deduct.....	5
	947
	136
Applications withdrawn, fees returned.....	38
	98
Applications carried forward to year 1922-23.....	

CLASSIFICATION OF REGISTRANTS

In many cases more than one branch of engineering was requested and granted when in the judgment of the board sufficient experience and responsibility had been shown in the various branches.

The classifications approved and number of registrants qualifying under each is as follows:

Architectural	119
Chemical	13
Civil	523
Electrical	91
Heating and Ventilating.....	22
Mechanical	110
Mining	70
Structural	180
Land Surveyors	50

Notes—Agreement as to reciprocity with the Cook County, Illinois, Board of Examiners for land surveyors was consummated May 24, 1922.

At meeting of board October 13 and 14 this report including financial statement and form of roster was approved.

RECAPITULATION

FINANCIAL STATEMENT SEPTEMBER 30, 1922

Fiscal Year of Indiana ends September 30.

First Year from Organization August 8, 1921, to September 30, 1922.

FOURTEEN MONTHS ADMINISTRATION

	Dr.	Cr.
1. Income		
Registration Fees for year 1921-1922.....		\$25,025 00
Re-issue Fees for year 1921-1922.....		21 00
Registration Fees for year 1922-1923.....		2,675 00
Total Receipts		\$27,721 00
2. Administration Expenditures—		
The Board—Per Diem, Traveling, etc.....\$2,880 88		
Office Salaries and Expense..... 8,634 53		
Certificates and Renewal Receipts..... 917 04		
Total	\$12,432 45	
Special—		
Fees Refunded	950 00	
Reversion to School Fund.....	3,744 52	
3. Asset Expenditures—		
Certificates, etc., Inventory .....\$1,038 69		
Furniture and Fixtures—Inventory..... 1,055 34		
Total	2,094 03	
4. Cash Assets—		
Treasurer of State Funds of Board Reserve created by Act and by Fees of year 1921- 1922 .....\$5,000 00		
Fees for year 1922-1923..... 2,675 00		
Office—Fees for year 1922-1923..... 825 00		
Total	8,500 00	
Grand total	\$27,721 00	\$27,721 00

STATEMENT

CLOSE OF FISCAL YEAR, SEPTEMBER 30, 1922

(Fourteen Months from August 8, 1921, to September 30, 1922.)

	RECEIPTS	Dr.	Cr.
September 30, 1922—			
Treasurer of State—Funds of the Board 1921..	\$8,744 52		
Treasurer of State—Fees 1922-1923.....	2,675 00		
Office—Fees for 1922-1923	825 00		
September 30, 1922—			
Registration Fees—1921-1922		\$25,025 00	
Re-issue Fees—1921-1922		21 00	
Registration Fees—1922-1923		2,675 00	

EXPENDITURES (\$15,476.48) AS ITEMIZED BELOW

September 30, 1922—

Board—14 months' administration—			
Per Diem		\$1,680 00	
Railroad		844 35	
Hotel and Meals		339 78	
Other		16 75	
Office—Secretary's Salary, 14 months.....			
		3,442 76	
Clerical, 14 months		3,862 05	
Stationery and Printing	\$538 11		
Inventory	329 69	867 80	
<hr/>			
Postage		550 00	
Telegraph and Telephone.....		159 96	
Other		61 65	
Certificates	\$453 64		
Engrossing	453 40		
Inventory	619 00	1,526 04	
<hr/>			
Fee Refunds		950 00	
Fixtures	\$20 00		
Furniture—Inventory.	\$27 00		
Fixtures—Inventory..	1,028 34	1,055 34	1,075 34
<hr/>			
Renewal Receipts	10 00		
Renewal Receipts—Inventory....	90 00	100 00	
<hr/>			
Grand total		\$27,721 00	\$27,721 00

INVENTORY

September 30, 1922

Certificates	\$619 00
Furniture and fixtures	1,055 34
Renewal card receipts	90 00
Stationery and printing	329 69
<hr/>	
Grand total	\$2,094 03

I, R. L. McCormick, chairman of the State Board of Registration for Professional Engineers and Land Surveyors, do hereby certify that, to the best of my knowledge and belief, the attached statements of receipts and disbursements of the Board of Registration for Professional Engineers and Land Surveyors are correct.

Signed R. L. McCORMICK, Chairman.

Subscribed and sworn to before me this 30th day of October, 1922.

(Seal)

VERNA TILLINGHAST, Notary Public.

My commission expires Oct. 7, 1925.

I, DeWitt V. Moore, secretary of the State Board of Registration for Professional Engineers and Land Surveyors, do hereby certify that the statements of receipts and disbursements attached hereto are correct

statements of the finances of the Board of Registration for Professional Engineers and Land Surveyors.

Signed DeWITT V. MOORE, Secretary.

Subscribed and sworn to before me this 27th day of October, 1922.

(Seal)

VERNA TILLINGHAST, Notary Public.

My commission expires Oct. 7, 1925.

INDIANA BOARD OF AGRICULTURE

OFFICERS

THOMAS GRANT, President, Lowell.
SIMON W. TAYLOR, Vice-President, Boonville.
I. NEWT. BROWN, Secretary, Franklin.
WILLIAM M. JONES, Treasurer, Fairmount.
FOREST NEAL, Superintendent, State Fair Grounds.
MISS MINNIE FISHER, Bookkeeper, Indianapolis.
MRS. H. M. BOUCHER, Stenographer to Secretary, Indianapolis.

MEMBERS

GOVERNOR WARREN T. McCRAY, ex-officio member.
DEAN J. H. SKINNER, Purdue University, ex-officio member.

DEPARTMENT SUPERINTENDENTS OF STATE FAIR

Horticulture—S. W. Taylor, Boonville.
Agriculture—Guy Cantwell, Gosport.
Amusements—E. W. Pickhardt, Huntingburg.
Speed—G. R. Kemper, Columbus.
Mechanical—Harry M. Moberly, Shelbyville.
Concessions—Samuel J. Miller, Indianapolis.
Grandstand—W. W. Wilson, Muncie.
Poultry—Mac M. Coffing, Covington.
Cattle—E. J. Barker, Thorntown.
Swine—Edgar E. Phillips, Walton.
Horses—Lin Wilson, Jonesboro.
Sheep—U. C. Brouse, Kendallville.
Women's Building—John Isenbarger, North Manchester.
Parking and Police—Chas. L. Smith, Montpelier.
Gates and Admissions—G. Y. Hepler, South Bend.

SUCCESS OF 1922 STATE FAIR

The chief activity of the Indiana Board of Agriculture is the promotion of the State Fair, which in 1922 achieved new records in point of size and quality of the exposition, but not in attendance. The exceptional year in Indiana crops of all kinds, and the increase in the quality and quantity of highly bred livestock, were reflected in a much greater exhibit than the usual showings at the Fair. Every exposition building given over to the purpose was filled to capacity with livestock and poultry, while in horses, cattle and swine there was a great overflow, which was taken care of in canvas shelters and other temporary structures. The show of fruits, farm, field and garden products was also the largest and finest ever seen at the Indiana Fair. The displays of machinery throughout that department made an elaborate exposition in itself. The

attendance figures were below other years, largely because of the almost intolerable warm weather which prevailed before and during the week of the Fair.

Early in the year the Board appointed a Women's Advisory Committee, made up of representatives of various State organizations which are active in the promotion of the well being of women in Indiana. This committee was very helpful, not only in making suggestions as to educational attractions for women at the Fair, but was also energetic in helping to carry out the suggestions. The result was the Woman's building was more than ever a center of interest. There were elaborate displays of needle-work, craftsmanship and culinary products. Fine arts formed another feature, and a daily style show also received much attention. The musical programs in the Women's building were given by Indiana talent, under the general direction of Mrs. Henry Schurman, president of the Indiana Federation of Music Clubs, Indianapolis. Another feature was "Home Economics Day," observed on Thursday, the program being made up of addresses by well-known Indiana women who are active in the promotion of welfare movements in farm life.

A new feature of the speed program was stake purses for trotters and pacers, which were guaranteed by Indianapolis business organizations. The purses were \$2,000 and \$3,000, and the total nominations numbered about 140 of the best horses of the country, which greatly enriched the speed program each afternoon. The guarantors of the stakes were: Indianapolis Chamber of Commerce, 2:09 trot, \$3,000; English Hotel, 2:05 pace, \$3,000; L. S. Ayres & Co., 2:18 trot, \$2,000; Severin Hotel, 2:11 pace, \$2,000; Schloss Brothers, clothiers, 2:12 trot, \$2,000; E. J. Robinson, free-for-all pace, \$2,000.

BOYS' AND GIRLS' CLUB

The Board of Agriculture and the live stock breeding associations have in recent years taken increasing interest in the expansion of club work among farm boys and girls, particularly along the lines of raising pure-bred swine and calves. Greater results from these efforts were in evidence at the State Fair in 1922 than in any other year. Hundreds of swine and calves were shown in these juvenile contests, in which competition was very keen. This division of the Fair, large as it was this year, gives promise of much greater expansion and interest in coming years.

SUPREME COURT DECISION

The Board of Agriculture began the year with high hopes of going on with its program for building large and substantial buildings to increase the much-needed housing in various departments at the Fair. The Legislature had under a special law authorized the Board to turn its property over to the State, that it might in undisputable fact become a State institution. The law also authorized the issuance of bonds for the payment of debts of the Board, which the State was to assume, and the bond issue was also to provide about \$600,000 for the building program. The bond issue was to be supported by a lien on the real estate of the State Fair grounds, and a sinking fund for the redemption of the

bonds at maturity, as well as to pay the interest, was provided for by a State tax levy. A friendly suit to test the legality of the bond issue was brought in Marion county, where the law was upheld. But on the appeal to the Supreme Court, the higher court upheld that part of the law which authorized the Board to turn its property over to the State. The bond issue, however, was defeated, which for the year, at least, stopped the building program.

Early in the year the brick horse barn at the Fair was destroyed by fire, and it was imperative that a new one be erected. Funds for this purpose were borrowed through the State Finance Committee. A much larger, more imposing and more attractive and convenient barn was erected on the site of the old barn at a cost of \$117,000.

The building program has not been abandoned. The needs for a new and commodious cattle barn, another Manufacturers' building adjoining the present one, the rebuilding of the swine pavilion, the relocation of the sheep pavilion, a new administration building, are among the structures required before the Indiana State Fair can measure up to the demands that are being made upon it by the farming and live stock interests of the State. These needs are in themselves an incentive for the board to go on in its efforts to find ways to finance the building activities in coming years.

WOMEN'S ADVISORY COMMITTEE

MRS. CHARLES N. LINDLEY, Salem, Indiana.

MRS. CHARLES SEWELL, Otterbein.

MRS. LAWRENCE G. VANNICE, Amo.

MRS. W. J. TORRANCE, Evansville.

MISS LELLA R. GADDIS, Purdue University.

STATE FAIR'S SCHOOL OF HOME ECONOMICS

MRS. CHARLES N. LINDLEY, Director

INSTRUCTORS AND SUPERVISORS

Director of Foods—Miss Florence Boston.

Demonstrator—Mrs. Glen Ogle, Evansville.

Director of Dining Room—Mrs. Lewis Taylor, Newburg.

Director of Dormitory—Mrs. Ida Piatt, Evansville.

Supervisor of Baking—Miss Marcia Orme, Southport.

Supervisor of Cooking—Miss Gleela Ratcliffe, Veedersburg.

Instructor in Art—Mrs. B. W. Stoddard, Indianapolis.

Instructor in Hygiene—Dr. Ada E. Schweitzer, Indianapolis.

Director of Recreation—Miss Louise Van Cleave, Salem.

School Nurse—Miss Bertha Lipps, Indianapolis.

The school opened for its term of 1922 on August 29 and continued its sessions for two weeks, closing with the State Fair on September 9. In all respects, in point of interest, in number of counties represented, number of pupils in attendance, quality of work done, and in school spirit shown, it was the best year the school ever had.

Attendance—The summary of registration shows as follows: Number of young women in attendance, 90; counties represented, 64; counties sending one representative, 44; counties sending two representatives, 14; counties sending three representatives, 6; eight of these counties had not sent girls in previous years; single women, 89; married, 1; registered from rural homes, 83.

Education—Girls who had attended or were high school graduates, 72; girls having common school advantages only, 11; some college training, 7; some school training in domestic science and domestic art, varying from one term to five years, 69; in school or college this year, 54; belonging to girls' clubs or Home Economics clubs, 50. Thirty-six registered as having occupations as follows. Housekeepers, 23; teachers, 3; domestic service, 4; stenographers, 2; sales girls, 2; office work, 1; music teachers, 1.

How Girls Were Chosen—Sent by County Farm Bureaus, 51; sent by Home Economics and Women's Clubs, 19; sent by Fair Associations, 4; paid own expenses, 7; sent by Chamber of Commerce, 1; sent by Civic League, 1; Kiwanis Club, 1; Rotary Club, 1; Honor girls, 5.

Subjects Taught—Since it is the hope of the school management to assist pupils in those things which will be of greatest value to them in their homes and in their communities, the special attention was given the following subjects:

Kitchen—Equipment, arrangement, care of kitchens, cleaning agents.

Foods—Food principles; their relation to health; menu making; preparation.

Dining Room—Table setting; duties of hostess; serving; duties of waitress; care of linen; care of silver; dishwashing.

Dormitory Work—Bed making; cleaning.

Bath Room—Care of lavatories; tubs; cleaning and disinfecting agents.

Personal Hygiene—Care of the body; home nursing, bandaging, emergencies, symptoms, infectious diseases; bathing and care of baby.

Art—Reed basketry, designing; letter cutting, house furnishing, clothing.

Community Service—Community singing, games, plays, stunts.

School Equipment on Hand—Apportionate Value—Kitchehn, \$300; Dining room—Dishes, \$125; silver, \$75; linen, \$150; total, \$350. Dormitory—Mattresses, cots, pillows, rugs, blankets, sheets, pillow-cases, \$1,750. Miscellaneous—Large rugs, ironing boards, irons, screens, etc., \$125. Total value of school equipment, \$2,525.

TRIAL BALANCE

September 30, 1922

	Assets	Liabilities
Real Estate and Buildings.....	\$2,000,000 00	
Personal Property	22,605 68	
Accounts Receivable	3,725 43	
Interest	6,827 05	
Hereford Cattle	2,135 98	
Telephone	497 50	
Salary, Secretary	2,700 00	
Salary, Treasurer	1,500 01	

Pay Roll, Superintendent Grounds.....	15,087 53
Carpenters' Pay Roll.....	4,194 15
Office Salaries.....	4,669 55
Hub of the Universe.....	676 46
Court and Legal Fees.....	510 00
Agriculture and Horticulture Building.....	58,871 20
Premium List.....	302 86
Salary, Superintendent Grounds.....	1,350 00
Girls' School.....	806 15
Office Furniture.....	172 30
Freight, Drayage and Express.....	782 28
Telegrams.....	39 25
Repairs.....	3,869 90
Gasoline and Oil.....	23 76
Printing Fair.....	1,092 27
Board Members' Per Diem.....	8,488 62
Office Supplies.....	272 84
Surgeon Service.....	6 00
Postage Stamps.....	309 60
Shorthorn Cattle.....	813 52
Holstein Cattle.....	1,454 54
Angus Cattle.....	1,828 00
Jersey Cattle.....	1,222 50
Polled Shorthorn Cattle.....	1,951 34
Guernsey Cattle.....	1,080 00
Percheron Horses.....	2,539 14
Belgian Horses.....	2,991 77
Advertising.....	14,046 93
Membership Fees.....	155 00
Corn Club, 1921.....	250 00
Replacing Checks.....	2 35
Speed Department.....	19,508 88
Poland China Swine.....	1,749 50
Duroc Jersey Swine.....	1,280 00
Chester White Swine.....	1,031 00
Berkshire Swine.....	839 00
Catalogue.....	1,055 89
Judging Contest 1921.....	250 00
Supplies for Fair.....	9,773 07
Draft and Saddle Horses, Premiums.....	7,247 43
Cattle Department Expense.....	1,195 61
Sheep Premiums.....	5,868 60
Swine Department Expense.....	1,050 55
Poultry Department, Premiums and Expense.....	4,333 00
Agriculture Department Premiums and Expense.....	3,509 05
Horticulture and Floriculture Department, Expense-Premiums.....	2,590 00
Art Department, Premiums and Expense.....	4,479 50
Coliseum and Grandstand Expense.....	2,039 82
Amusements.....	21,564 48
Pay Roll, Treasurer's Office.....	2,921 00
Parking Police.....	2,093 00
Baby Contest.....	512 00
Police Meal Tickets Redeemed.....	363 50
Electrical Pay Roll.....	915 25
Fence Police, Pay Roll.....	616 00
Administration Dining Room.....	863 86
President's Assistant.....	132 02
Spotted Poland China Swine.....	1,103 00
Hampshire Swine.....	1,412 00
Shrubbery.....	198 80
Water Rental.....	883 90
Taxes.....	2,954 09

Board Members' Traveling Expenses.....	208 54	
Coal and Cement.....	626 30	
Profit and Loss, 1921.....	29,206 09	
Subscriptions, Papers and Magazines.....	9 80	
Guy Overly	50 00	
Horse Barn	94,866 42	
Advisory Committee	230 83	
Bonds, Secretary and Treasurer.....	87 50	
Yorkshire Swine	581 00	
Mule Premiums	785 00	
Ayrshire Cattle	1,109 00	
Clydesdale Horses	1,710 00	
Culinary, Premiums and Expense.....	1,130 75	
Horse Shoe Contest, Premiums and Expense.....	316 74	
County Teams, Expense.....	94 79	
Investment Account		1,611,990 14
State Savings and Trust Co.....		17,625 28
Bills Payable, State of Indiana.....		255,000 00
Bills Payable, State Savings and Trust Co.....		50,000 00
Bonded Indebtedness		80,000 00
Accounts Payable		10,722 14
State of Indiana.....		143,913 98
Concession Department		24,818 21
Rentals, General		19,945 25
Rentals, Stalls		2,335 03
Mechanical Space		2,910 92
Electrical Current		694 96
Hauling		80 00
Sundry Sales		494 60
Labor Refunds		332 50
Scales		64 86
Poultry Pens		1,802 50
Swine Pens		734 00
Exhibitors' and Helpers' Tickets.....		4,237 50
Car Storage		3,991 65
Horse Stalls		799 00
Sheep Pens		215 00
Cattle Stalls		2,183 00
Appropriations, State of Indiana.....		10,000 00
Old Advertising Account.....		56 25
Score Card		262 80
Cafeteria		3,399 44
Admissions		118,912 55
Insurance		7,986 48
Checks Outstanding		49 30
Fair, 1921		20,634 47
W. B. Burford		5,953 98
Maas-Neimeyer Lumber Co.		1,275 70
Indianapolis Electric Supply Co.		999 73
People's Coal and Cement Co.		696 33
Overage, Fair 1922		80 47
		<hr/>
		\$2,405,198 02 - \$2,405,198 02

REPORT OF BETTER BABY CONTEST

Indiana State Fair, September 4-9, 1922.

Ada E. Schweitzer, M. D.

Director Infant and Child Hygiene Division, Indiana State Board of Health.

The 1922 Better Baby Contest at the State Fair excelled former ones both in the number and quality of the babies entered.

The Better Baby Contest is directed by Dr. Ada E. Schweitzer, director of the Child Hygiene Division of the State Board of Health. The child hygiene staff assists with the work; additional assistants, including medical examining staff, are employed by the State Board of Agriculture. This board also looks after all advertising, using largely material furnished by the child hygiene director. The preliminary correspondence is also cared for by them, though the daily schedule of appointments is arranged by the child hygiene staff. This year a second Better Baby Folder was issued jointly.

The babies came at the appointed day and hour, accompanied usually by father and mother, often by other relatives and friends. Each mother presented her appointment card, responded to inquiries concerning her and her baby's health. After a developmental test the baby was undressed, carefully weighed and measured, and given a thorough physical examination by three specialists. Any deviation from normal standard was carefully noted; the parents were advised as to the baby's care. After being weighed and measured a second time the baby was dressed and taken home. For him the examination was over, but not for the anxious parents awaiting his score.

In 1922, scores were the highest ever gained by Indiana babies. There were 21 scores of 999 and above, the highest being 999.875; the baby receiving this score was one of twins who scored highest in the twin contest. Of the 314 babies entered, 295 scored 990 and above. Each day, after the contest, babies were examined, other children not in the contest were registered, bringing the total examinations up to 498.

Five prizes were awarded in each of eight classes on a basis of residence and age—four classes for boys and four classes for girls. Four prizes were offered in the twin class, and four in the triplet class, with a grand prize each for the highest scoring boy and the highest scoring girl.

In 1922, additional awards of Blue, Red, White and Yellow were made in each county, from that county scoring highest at the State Fair contest.

The percentage of poorly nourished babies in the contest was only 6.05. The average for all other babies for the month was 8.15.

These babies for the most part had healthy parents; they were delivered by skilled physicians, some by specialists. They learned correct habits of eating, sleeping, etc. The Indiana better baby will soon be the typical Indiana baby.

The prizes were widely distributed over the state.

Thirty-one counties shared prize-winning honors. Twenty-four of these counties had within the last three years co-operated with the Child

Hygiene Division of the State Board of Health in the holding of county-wide health conferences. While the Child Hygiene Division does not claim all the credit for the high standards of baby care in these counties, we have every reason to believe that the educational work of the health conferences has been a very helpful, positive influence.

The preliminary advertising campaign conducted by the State Board of Agriculture in the interest of better babies was an aggressive one. In addition to the Indiana better baby folder, newspapers and posters announced features of the contest. Each month, from April to September, the Hub of the Universe carried a message written by Dr. Schweitzer concerning better babies and their care. This publication had a circulation of 25,000. The articles from the Hub of the Universe were sent out from the Associated Press to all parts of the state. Coupon entry blanks were published in the Hub of the Universe and Indianapolis papers.

The Indiana better baby folder was sent out by both the State Board of Agriculture and the Child Hygiene Division of the State Board of Health in all correspondence. The title page bore the legend, "The Indiana Better Baby leads them all," illustrated by a picture, on the state of Indiana, of one of the best babies leading small domestic animals. The prize lists were on the back page, while the inside pages were devoted to the needs of the better baby as follows:

INDIANA SLOGAN

Every Day Is Baby Day, but State Fair week is Better Babies' week. Then the Indiana Better Baby leads them all.

If a baby is to qualify in the Better Baby Class, he needs:

1. Healthy parents.
2. Instruction and care of mother by physician.
3. Mother free from overwork or worry.
4. Mother's milk. Gradual weaning by the end of the first year.
5. Regular hours for meals, bath and sleep.
6. Water to drink between meals.
7. Sleep undisturbed in a dark room having a constant current of cool, fresh air.
8. Clothing that does not restrict.
9. Gentle play with quiet laughter.
10. A part of each fine day out of doors.
11. Daily exposure to sunlight. Indoors or out. (Eyes protected).
12. Comfort. Avoiding extremes of heat or cold.
13. A happy home.
14. Regular "checking up" by a physician.
15. Protection: From kissers with germs, fingers poking for teeth, showing off, bouncing and high tossing, unsuitable food, too frequent feeding, pacifiers, dirt, discord, loud voices and nagging, movies and jazz.

Still pictures taken at the State Fair are being made a part of a moving picture for the purpose of advertising the child hygiene field work. A short film of baby contest work was taken at the State Fair by the State Board of Agriculture for use in their general advertising film.

REPORT OF THE INDIANA CORN GROWERS' ASSOCIATION

OFFICERS

PETER J. LUX, Shelbyville, President.
C. E. TROYER, Lafontaine, Vice-President.
G. I. CHRISTIE, Lafayette, Secretary-Treasurer.
J. A. WARREN, Kouts, Vice-President, First District.
JOHN W. KERLIN, Rockfield, Vice-President, Second District.
JOHN E. WILSON, Wingate, Vice-President, Third District.
R. L. HEILMAN, Hope, Vice-President, Fourth District.
CARR LENTZ, Charlestown, Vice-President, Fifth District.

EXECUTIVE COMMITTEE

Composed of Officers of the Association.

LEGISLATIVE COMMITTEE

W. D. LITTLEJOHN, Kentland.
I. N. BROWN, Franklin.
GUY CANTWELL, Gosport.

COMMITTEE ON CORN JUDGES' CERTIFICATES

A. T. WIANCKO, Lafayette.
JOHN STAINBROOK, Franklin.
JOHN KERLIN, Rockfield.

CORN SHOW COMMITTEE

M. L. FISHER, Lafayette.
W. Q. FITCH, Lafayette.
*W. J. ULREY, Attica.
ILIFF BROWN, Franklin.
MARSHALL OLMSTEAD, Evansville.

COMMITTEE TO CONSIDER INDIANA SCORE CARD AND BEST TYPE OF EAR OF CORN

A. T. WIANCKO, Lafayette.
MARSHALL VOGLER, Hope.
C. E. TROYER, Lafontaine.
J. W. CRANE, Wingate.
ROY CLORE, Franklin.

* Deceased.

ALFALFA COMMITTEE

W. A. OSTRANDER, Lafayette.
JOHN A. NEWMAN, Culver.
I. J. MATHEWS, Winamac.
WM. SENOUR, Brookville.
W. W. MEANS, Shelbyville.

FIVE-ACRE CORN CONTEST COMMITTEE

R. S. THOMAS, Lafayette.
J. S. HELMS, Richmond.
W. D. LITTLEJOHN, Kentland.
GEO. L. KERLIN, Franklin.
*W. J. ULREY, Attica.
H. V. GRAY, Fairland.

COMMITTEE ON SEED CERTIFICATION

W. A. OSTRANDER, Lafayette.
EVERETT McCLURE, Aurora.
RUSSELL EAST, Shelbyville.
B. V. WIDNEY, Albion.
TAYLOR FOUTS, Camden.

MEMBERSHIP COMMITTEE

F. C. PALIN, Newtown.
C. A. BROWN, Franklin.
R. S. THOMAS, Lafayette.

THE FIVE-ACRE CORN CONTEST

Increased interest was shown in the five-acre corn contest in 1921. An enrollment of approximately 1,100 members was secured. Due to sectional droughts, increased outbreaks of insects and the prevalence of mold in the corn crop, a number were forced to withdraw. However, a greater number of contestants have completed the work this year than for any previous year since the organization of the work in 1914 as the farmers of Indiana are realizing more and more the value of more economic production.

Five hundred and fifty-nine corn growers in fifty-eight counties in the state completed the work. Three hundred forty, or 61.5 per cent of the total enrollment, officially produced over seventy-five bushels of corn per acre on five acres and each received a medal as well as a certificate of award, which are annually presented by the Indiana Corn Growers' Association as recognition of an exceptionally high yield of corn.

Forty-two of these were awarded gold medals for producing 100 or more bushels of corn per acre on an area of five acres. One hundred and thirty-four have produced eighty-five to 100 bushels per acre and received

*Deceased.

a silver medal, while 164 have a production record of seventy-five to eighty-five bushels per acre and received a bronze medal.

Mr. R. H. Hardin, of Henry County, has the honor of producing the highest yield in the contest this year. His official record is 129.7 bushels per acre. Mr. Hardin has a good strain of Calico corn, which has been bred and selected for several years. His seed shows good Indiana type and was among the premium winning samples at the state show.

Mr. Roy Snoeberger, Carroll County, has the next highest yield of 121.9 bushels per acre. The variety of corn used by Mr. Snoeberger is Reid's Yellow Dent and likewise is representative of Indiana type corn. This type of corn was among the placings at the International Grain and Hay Show and the Indiana State Corn Show, as well as county shows.

Twenty-one counties in the state were represented by one or more 100-bushel corn yields. The counties producing the high yields are not confined to a small section of the state, but extend from Porter County on the north to Posey County on the south, Jay County on the east to Fountain County on the west. This points out very definitely that when the best methods of corn production are put into practice, high yields can be obtained on the majority of Indiana soils.

A large number of the five-acre plots this year served as demonstrations and an increased amount of interest was aroused by the county leaders regarding improvement of the corn crop. Organization of several county corn growers' associations this year has served to carry on the work in a more organized way. This in turn has had a desirable effect in carrying out the idea that every five-acre plot should be a demonstration of some factor influencing corn production.

The Executive Committee in 1920 decided to form a permanent 100-Bushel Corn Club, having as its object the broadening and strengthening of the corn interests in the state. The requirements are that each member shall have officially produced 100 bushels of corn per acre in the five-acre contest. Thirty-three names were added this year, the other nine having met the 100 bushel requirements in some previous year. The 100-Bushel Corn Club now shows a membership of 128.

INDIANA STATE CORN SHOW

The twenty-second annual Indiana State Corn Show, by a singular coincident, had 331 entries, the exact number of last year. The white corn classes were short in many cases, due probably to the greater ravages of the ear worm in that variety this year. A marked increase in the number of single ears and a slight increase in all yellow corn entries overcame the shortage in other classes.

The state show brings together the best seed and serves as a clearing house for the winning corn and small grain from the many local county and district shows. Visitors showed unusual interest studying the various exhibits and discussing breeding and cultural methods. The show was marked with less immaturity than in any previous year, the quality of the corn was unusually high.

For the first time in the history of the State Corn Show, the committee system of judging was used. Prof. A. T. Wiancko, chief of the Soils and Crops Department, Purdue University, was named chairman

of the Corn Judging Committee, assisted by C. E. Troyer, Lafontaine and George L. Kerlin, of Franklin. Prof. M. L. Fisher was named chairman of the Small Grain Judging Committee, assisted by Prof. F. E. Robbins, both of Purdue University.

SEED CERTIFICATION

The object of the Indiana Corn Growers' Association in carrying on the work of seed inspection and certification is to provide Indiana farmers with a better quality of seed. It is hoped that from the plan of inspection and certification will come the discovery of better types and that it will help to stabilize the varieties used within communities and eventually bring improved seed to every farm.

During the past year fifty-three fields of wheat and rye were inspected, forty-two of barley and oats, two of corn, and twenty-four of soybeans. Due to the poor season for small grains, the exact number of bushels could not be ascertained, as a large amount of it was discarded on cleaning. The majority of the men who had wheat and rye certified sold their entire crop for an average price of about \$1.75 a bushel.

With the large increase in number of fields inspected, it is felt that the work is advancing successfully, and with provisions to take care of points that seem to need to be covered this following year, it is believed that the work will have a healthy growth with the good will that it has in the state. It should be carried on in the same general way, as there is still room for advancement for better seed grain in Indiana.

BOYS' CORN CLUBS

Indiana led every state in the north and west region of the United States in number of club members enrolled and value of products produced last year. Besides corn clubs this work included all phases of livestock work, five special lines of work for the girls and corn and other clubs like farm management, orchards, etc.

The corn club had an enrollment of 1,155 in 1921 with nearly 3,000 acres under its direct care. A yield of 162,890 bushels was reported by the boys. Homer Crandall of Mt. Summit did the remarkable feat of repeating as state corn club champion with the very outstanding yield of 148.5 bushels per acre.

Two new phases of the corn club work are becoming potent factors in more and better corn clubs. Seed corn improvement especially through the disease-free testing and securing highly bred seed is increasing the yields considerably. Many of the older club members are also joining the Five-Acre Men's Corn Club and taking up the work on a larger scale.

The Annual Boys' State Corn Show was held at Purdue University in January, 1922, in connection with the Farmers' Short Course. The number of entries was up to normal and the quality of exhibits very much above usual in the show.

This year for the first time a junior corn contest for corn club members was put on at the International Grain and Hay Show at Chicago. Indiana is so situated geographically that the corn club members could show in both regions 3 and 4. Five awards were made in each region. Indiana boys won every prize for which they could compete.

Forty-one teams of three boys each were entered in the Boys' State Corn Judging Contest held at Purdue University at the time of the Annual Boys' and Girls' Club Round-up. This represents an increase of 36 per cent in the number of teams for last year.

Kosciusko County won the beautiful Corn Growers' Association Trophy by defeating the Auburn team less than one point, the high score being 80.14; Robert Hulley of the Marion team won highest honors with a score of 89.48. He received a handsome gold medal given by the Club Division.

ANNUAL MEETING

The last annual meeting of the Indiana Corn Growers' Association was held at Purdue University, Lafayette, Indiana, January 11, 1922. Secretary G. I. Christie made the opening remarks emphasizing the importance of the association, the part it plays in the program for Farmers' Week and its relation to the university. The subjects included "Types of Corn," by Prof. A. T. Wiancko, Soils and Crops Department, Purdue University; "The Experiment Station and Indiana Agriculture," by D. F. Maish, member Experiment Station Advisory Committee; "The Present Agricultural Situation," by G. E. Gunnels, of the American Farm Bureau; "Economical Production," by M. H. Overton, Department of Farm Management.

PUBLICATIONS

The publications of the year consisted of the twenty-second annual report of ninety-nine pages, which gives a complete record of the activities and business of the association for the year and "Indiana Corn," a profusely illustrated pamphlet setting forth the types of corn best suited to Indiana conditions.

FINANCIAL SUMMARY—1922

Total Receipts, State and Miscellaneous Funds—	
State, \$868.34; Miscellaneous, \$3,587.56.....	\$4,455 90
Total Expenditures, State and Miscellaneous Funds—	
State, \$868.34; Miscellaneous, \$1,659.18.....	2,527 52
Balance Represented by Deposit in the First Merchants National Bank.....	1,928 38
Victory Bonds—Merchants National Bank.....	550 00
	<hr/>
	\$2,478 38

REPORT OF THE CO-OPERATIVE CROP REPORTING SERVICE FOR INDIANA

U. S. DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics.

H. C. TAYLOR, Chief.

INDIANA LEGISLATIVE REFERENCE BUREAU
Department of Agricultural Statistics.

C. KETTLEBOROUGH, Director.

GEO. C. BRYANT, Agricultural Statistician.

In submitting the third annual report of the Co-operative Crop Reporting Service for Indiana, considerable pride is felt in the progress that has been made in the efficiency of the statistical reports returned by the township assessors as compared to previous years. Of the 1,017 townships in the state a report was received from each one. In some of the townships a few farms were not reported, but this was due generally to the fact that these farms had been operated by tenants who had moved out of the county. Various tables setting forth the information contained in the township statistical reports for 1920 and 1921 are printed herewith, showing the number of farms, the tenure and race of operators, the total land in farms, whether the land is used for crops or other purposes, the acreage devoted to each crop and the number of acres that produce more than one crop. All classes of live stock are shown by age, together with the number of purebred sires and females for breeding purposes. There is other useful information as well as a table on special farm equipment which is quite comprehensive, and which has been undertaken by few states.

The official crop report, issued monthly, has gained very much in popularity and requests for this publication are constantly being received, especially from farmers, manufacturers of farm implements and other farm accessories, and banks and loan companies doing a large part of their business in the agricultural districts. This service is of special value to farmers in planning their crop acreages and to business men in the distribution of their merchandise. The railroads are much benefited by it and can anticipate the distribution of their cars very advantageously by studying crop conditions in the counties through which the roads pass. These reports are prepared from data furnished by more than 1,200 voluntary correspondents—mostly farmers—who make reports monthly on special blanks sent to them from this office. Much credit is due these men for their conscientious efforts and the accuracy with which they forecast the final out-turn of the crops.

Harrison.....	380	19	2,993	10	247,456	245,681	37,835	41,977	285,271	287,658
Hendricks.....	684	26	2,523	5	165,994	161,388	74,961	81,816	240,955	243,204
Henry.....	866	5	2,522	5	153,558	143,704	83,996	94,861	237,534	238,565
Howard.....	1,266	7	2,146	6	100,304	99,793	80,181	81,955	190,455	181,748
Huntington.....	879	.....	2,631	.....	144,118	147,635	90,300	85,923	234,418	233,558
Jackson.....	507	1	2,590	.....	229,317	235,737	63,674	58,000	292,991	293,737
Jasper.....	398	15	1,725	.....	131,548	142,483	189,311	179,978	321,359	322,461
Jay.....	970	15	2,527	1	134,493	133,155	97,769	100,626	232,262	233,781
Jefferson.....	394	18	2,483	11	184,252	188,390	37,121	32,936	221,373	221,326
Jennings.....	392	8	1,989	8	178,499	175,406	41,927	45,726	220,426	221,132
Johnson.....	782	21	2,047	.....	108,233	102,163	84,579	94,532	152,812	196,695
Knox.....	1,042	13	2,454	6	122,492	178,048	136,299	122,356	298,791	300,404
Kosciusko.....	1,073	18	3,335	.....	199,476	201,214	113,968	313,444	313,444	311,936
Lagrange.....	589	10	2,021	1	143,936	148,789	75,851	70,723	219,787	219,322
Lake.....	822	5	1,697	.....	105,463	104,710	119,037	120,318	224,500	225,028
Laporte.....	787	17	2,389	1	188,544	179,865	149,766	156,242	338,310	336,107
Lawrence.....	342	10	2,308	7	226,742	212,813	23,973	37,455	250,715	250,268
Madison.....	1,057	5	3,165	.....	162,639	158,476	101,731	106,847	264,370	265,323
Marion.....	1,757	17	2,801	30	108,066	111,006	90,243	85,344	198,339	196,349
Marshall.....	824	8	2,710	.....	178,882	168,016	84,770	96,368	263,652	264,414
Martin.....	242	4	1,600	1	174,657	166,372	21,329	25,603	195,986	191,975
Miami.....	1,341	3	2,188	9	136,820	135,637	89,985	88,882	226,805	224,519
Monroe.....	1,831	35	2,214	.....	188,707	185,813	39,183	42,342	227,890	228,155
Montgomery.....	892	10	2,254	.....	169,637	182,694	131,424	116,586	301,061	299,280
Morgan.....	594	28	2,408	2	179,387	177,805	60,880	61,528	240,267	239,333
Newton.....	562	10	988	.....	100,884	110,991	125,137	116,226	226,021	227,217
Noble.....	903	6	2,451	.....	147,253	147,338	102,153	103,241	249,406	250,579
Ohio.....	83	.....	584	.....	49,034	47,391	5,276	6,989	54,310	54,380
Orange.....	288	33	2,260	.....	214,174	202,581	21,766	32,502	235,940	235,083
Owen.....	297	14	1,870	3	180,107	179,023	44,680	47,408	224,787	226,431
Parke.....	582	17	2,209	.....	183,891	183,392	68,192	67,195	252,083	250,587
Perry.....	177	11	1,807	4	194,228	195,414	20,320	19,789	214,548	215,203
Pike.....	334	37	2,125	.....	141,996	149,815	43,327	32,824	185,323	182,639
Porter.....	1,134	7	1,772	.....	129,931	128,712	103,302	103,439	232,233	232,151
Posey.....	838	21	1,996	.....	119,258	118,791	119,123	113,807	238,381	232,598
Pulaski.....	703	6	1,713	1	116,242	121,362	128,481	129,587	244,723	250,949
Putnam.....	423	5	2,650	.....	228,839	234,557	51,806	51,637	280,645	286,194
Randolph.....	1,276	22	3,196	28	166,452	155,993	109,268	123,494	275,720	279,487
Ripley.....	258	5	2,776	.....	238,558	238,655	29,262	26,531	267,820	265,186
Rush.....	796	9	2,022	23	142,033	147,021	110,191	106,646	252,224	253,667

TABLE I. FARM LANDS: NUMBER OF FARMS, TENURE, RACE AND AREA—Continued

COUNTIES	TENURE			RACE		Owned (Acres)		Rented (Acres)		Total (Acres)	
	Owners	Renters	Managers	White	Colored	1921	1920	1921	1920	1921	1920
St. Joseph.....	1,810	851	9	2,670	.....	142,957	158,147	113,536	99,956	256,493	238,103
Scott.....	1,882	141	7	1,080	.....	87,139	86,392	17,591	18,238	104,730	105,130
Shelby.....	1,455	1,098	4	2,055	2	129,572	129,792	117,678	117,971	247,250	247,763
Spencer.....	1,850	694	3	2,545	22	159,689	165,547	71,050	66,390	230,739	231,937
Starke.....	731	434	4	1,164	5	96,974	92,751	71,483	61,678	168,457	154,429
Steuben.....	1,220	546	6	1,772	.....	115,438	118,051	66,406	65,428	181,844	183,479
Sullivan.....	2,249	552	4	2,801	4	202,582	188,591	58,371	58,491	260,953	247,082
Switzerland.....	1,470	319	4	1,790	3	112,694	109,391	25,610	26,116	138,304	135,507
Tippecanoe.....	1,438	948	2	2,388	.....	145,825	139,635	152,938	159,522	298,763	299,157
Tipton.....	1,080	761	.....	1,841	.....	87,778	93,666	70,897	65,990	158,675	159,656
Union.....	463	314	2	777	2	62,460	62,357	37,168	37,404	99,628	99,761
Vanderburgh.....	1,099	490	2	1,582	.....	94,242	86,618	37,839	44,440	132,081	131,058
Vermillion.....	599	402	.....	1,001	.....	71,999	73,357	61,055	57,053	132,654	130,620
Vigo.....	1,979	653	10	2,649	23	160,749	154,413	61,154	68,617	221,903	223,030
Wabash.....	1,493	1,016	1	2,510	.....	150,642	145,963	99,296	105,490	249,938	251,453
Warren.....	636	630	1	1,267	.....	89,037	99,306	119,824	110,201	208,861	209,507
Warrick.....	1,717	754	.....	2,470	1	159,058	160,690	50,999	59,461	210,057	220,151
Washington.....	2,129	347	13	2,439	.....	280,151	267,095	28,323	36,006	308,474	303,101
Wayne.....	1,547	830	11	2,389	9	143,392	133,448	101,061	108,551	244,453	241,999
Wells.....	1,728	805	.....	2,533	.....	128,605	130,348	82,382	89,233	210,987	219,581
White.....	939	1,026	2	1,966	1	151,854	132,174	163,930	175,712	315,784	307,886
Whitley.....	1,409	902	13	2,024	.....	130,290	136,708	64,563	57,664	194,853	194,372

TABLE II. ACREAGE IN FARMS NOT USED FOR CROPS

COUNTIES	WASTE LAND		TIMBER LAND		PERMANENT PASTURE		TEMPORARY PASTURE		ORCHARDS		FALLOW LAND		TOTAL LAND NOT IN CROPS	
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
State Totals.....	2,206,476	2,187,751	1,319,753	1,387,248	2,807,674	2,809,995	1,388,833	1,396,064	159,195	155,651	1,112,552	1,025,118	8,994,483	8,961,827
Adams.....	16,149	16,917	12,803	12,218	17,477	15,805	13,123	15,382	1,927	2,318	3,762	2,527	65,251	65,167
Allen.....	48,992	50,358	25,625	25,231	35,744	32,281	18,669	23,365	3,265	3,607	15,992	11,546	147,987	146,388
Bartholomew.....	23,798	24,251	19,984	20,642	20,830	24,402	11,964	12,716	1,202	1,455	15,770	11,629	93,548	95,095
Benton.....	7,380	8,590	2,754	19,744	24,810	11,294	9,748	10,296	662	656	6,057	4,165	48,267	48,267
Blackford.....	5,318	6,738	9,531	9,238	9,935	10,350	10,260	10,951	518	486	7,09	1,770	36,271	39,533
Boone.....	12,137	11,482	14,670	14,003	19,961	23,343	26,823	25,089	347	380	7,737	2,190	81,675	76,487
Brown.....	52,936	44,081	19,341	19,391	18,762	22,629	11,265	11,939	1,713	1,901	18,097	24,004	122,114	123,945
Carroll.....	18,637	22,619	14,001	9,110	13,147	11,329	18,464	21,567	1,427	1,286	6,403	2,194	72,079	68,105
Cass.....	18,177	19,785	15,409	16,364	21,642	18,211	14,078	15,910	3,440	1,806	4,926	5,442	77,572	77,518
Clark.....	61,781	52,655	7,575	11,012	30,638	33,612	13,800	14,369	1,442	1,707	20,235	21,429	135,471	134,784
Clay.....	14,880	17,476	11,557	9,518	38,154	39,771	12,946	13,566	1,586	2,038	11,220	6,788	90,343	89,157
Clinton.....	18,954	16,915	10,542	11,575	10,136	9,947	28,702	27,082	1,615	1,469	2,479	5,872	72,418	72,860
Crawford.....	42,341	29,783	19,487	27,227	25,440	28,062	44,003	13,160	1,184	1,282	18,375	13,456	120,802	112,970
Davies.....	20,460	20,460	14,126	13,497	36,175	33,543	33,218	31,818	2,209	2,590	10,014	12,885	113,807	114,793
Dearborn.....	26,299	26,299	13,042	13,030	52,060	50,987	5,653	4,841	1,579	1,659	9,733	6,608	110,493	108,424
Decatur.....	19,662	20,180	14,834	12,706	27,709	20,210	25,316	32,697	256	495	4,476	2,354	92,253	98,642
DeKalb.....	25,733	25,045	16,422	17,021	22,882	24,242	12,878	11,011	2,529	2,344	9,645	6,057	90,089	85,720
Delaware.....	15,942	17,090	13,202	12,223	27,649	26,295	24,156	22,781	2,419	1,901	8,086	4,329	91,454	84,619
Dubois.....	44,840	42,052	32,785	34,130	27,958	27,958	10,780	12,653	2,519	2,260	15,576	11,800	131,920	130,853
Elkhart.....	25,823	23,615	11,251	13,234	21,006	21,555	21,390	16,304	2,898	3,446	28,849	26,964	111,217	105,148
Fayette.....	13,254	13,741	9,844	8,838	19,082	20,212	11,760	11,285	421	551	5,470	5,559	59,831	60,186
Floyd.....	22,989	22,938	7,822	9,095	9,894	9,277	2,655	3,435	1,350	1,154	9,753	6,859	54,463	52,758
Franklin.....	18,906	18,906	12,964	14,053	30,940	28,592	16,168	16,834	1,222	1,061	10,080	6,494	90,738	85,870
Fulton.....	39,813	32,963	24,066	28,334	50,461	55,392	5,141	11,845	1,999	1,263	20,386	8,874	141,066	138,583
Fulton.....	19,044	19,658	11,617	10,256	35,066	28,013	16,389	16,999	943	965	11,645	14,611	91,704	90,505
Gibson.....	16,029	14,276	9,646	10,213	9,868	14,347	31,724	29,369	2,622	2,187	38,658	31,539	108,547	101,931
Grant.....	14,677	18,812	16,196	13,152	29,768	31,368	17,476	17,272	1,377	1,411	13,736	5,132	93,230	87,147
Greene.....	38,177	35,767	19,902	19,915	76,976	75,276	16,678	21,249	2,982	2,982	17,747	168,753	168,753	172,886
Hamilton.....	12,092	10,754	17,520	14,991	17,762	23,606	20,526	25,083	2,324	3,389	4,809	5,141	82,964	82,964
Hancock.....	11,357	11,829	9,368	9,043	14,953	13,439	12,231	12,231	1,468	1,037	3,593	1,004	53,859	50,097

TABLE II. ACREAGE IN FARMS NOT USED FOR CROPS—Continued

COUNTIES	WASTE LAND		TIMBER LAND		PERMANENT PASTURE		TEMPORARY PASTURE		ORCHARDS		FALLOW LAND		TOTAL LAND NOT IN CROPS	
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
Harrison.....	62,495	68,155	28,672	28,359	29,154	30,887	19,780	16,266	2,546	2,911	50,805	44,214	193,452	190,792
Hendricks.....	11,483	13,572	10,660	12,757	43,697	40,067	17,567	18,700	946	911	2,727	4,219	87,080	90,226
Henry.....	11,521	12,246	16,059	17,246	26,573	25,295	21,542	21,314	1,890	2,157	5,568	2,509	83,453	80,767
Howard.....	8,538	8,600	11,644	13,280	16,969	17,448	16,011	16,011	1,997	1,451	1,524	1,476	59,686	57,787
Huntington.....	14,352	12,650	21,557	19,097	24,592	25,316	14,065	12,290	1,410	1,535	9,906	6,903	85,882	77,791
Jackson.....	53,296	42,243	27,055	31,178	35,214	30,190	12,655	12,889	1,815	1,810	19,478	48,216	149,508	166,531
Jasper.....	32,401	22,303	6,778	22,814	62,450	59,780	6,812	9,184	4,017	6,883	21,470	8,571	133,928	123,335
Jay.....	18,633	15,682	17,810	32,127	35,374	31,295	7,966	7,966	1,591	1,878	10,808	3,510	88,234	82,220
Jefferson.....	29,086	23,737	16,098	17,428	66,689	66,047	11,634	10,748	1,215	1,602	12,675	14,556	137,397	134,118
Jennings.....	37,788	29,744	15,893	18,403	37,043	34,487	19,433	19,058	891	1,162	28,551	31,779	130,801	134,635
Johnson.....	13,406	11,526	7,965	7,900	22,069	23,343	7,943	8,786	1,130	999	103	2,513	52,618	55,067
Knox.....	22,707	25,713	9,586	11,343	27,993	27,993	13,418	19,321	2,292	2,855	13,205	19,177	86,106	102,402
Kosciusko.....	23,956	24,823	21,380	21,536	48,263	53,192	15,624	15,816	2,366	2,579	17,225	12,307	128,814	130,253
Lagrange.....	22,744	21,929	8,521	10,224	24,452	25,639	12,719	13,830	967	1,131	25,910	16,420	95,313	89,173
Lake.....	19,914	14,769	7,943	7,024	35,265	38,181	2,670	1,405	469	1,180	4,570	3,863	70,831	66,422
Laporte.....	23,884	23,932	15,015	17,166	31,286	29,095	22,156	17,246	2,065	2,525	26,358	26,594	120,764	116,558
Lawrence.....	27,316	28,496	31,564	28,598	46,145	49,244	16,292	11,372	4,365	3,298	16,187	14,901	141,869	135,909
Madison.....	12,306	17,240	11,832	21,340	28,135	28,135	24,620	22,456	2,365	1,808	4,860	7,389	79,955	88,950
Marion.....	13,883	13,268	11,952	14,102	18,521	18,521	7,981	8,789	1,255	1,476	9,906	7,435	67,803	63,591
Marshall.....	20,076	25,591	15,759	17,629	33,089	33,405	20,436	18,776	2,951	2,116	19,971	13,916	112,282	111,433
Martin.....	28,140	27,164	23,517	24,556	51,830	53,351	19,790	16,864	1,881	1,221	15,941	9,734	141,099	132,890
Miami.....	21,737	19,201	15,591	13,886	26,289	27,474	20,824	18,237	2,454	2,632	3,818	7,935	89,865	89,865
Monroe.....	51,618	45,731	21,049	25,518	33,989	42,313	11,008	9,303	2,078	1,874	25,918	31,435	146,720	156,374
Montgomery.....	12,735	14,373	15,962	17,733	40,585	42,213	22,007	23,900	830	1,879	6,831	5,062	99,548	100,258
Morgan.....	39,903	45,827	13,119	15,283	47,507	39,827	9,561	7,484	2,257	2,285	7,747	6,386	120,364	117,092
Newton.....	16,411	21,207	4,135	6,081	43,652	41,658	3,168	6,888	932	7,896	5,277	3,032	75,519	79,798
Noble.....	20,197	27,157	17,766	15,119	38,763	13,607	13,607	13,496	2,455	2,300	7,877	7,705	102,417	106,540
Ohio.....	5,629	5,625	3,877	4,352	27,778	27,778	105	235	244	2,869	1,026	2,869	33,943	34,996
Orange.....	57,367	54,632	26,266	26,366	37,372	34,541	19,916	16,815	2,509	2,847	17,991	29,816	161,427	164,924
Owen.....	32,920	32,849	19,512	20,416	72,130	73,014	7,528	6,248	1,972	2,105	11,190	6,491	145,252	141,123

Parks.....	41,047	36,781	10,017	11,564	57,651	53,083	5,916	16,014	1,028	706	15,878	10,845	131,537	129,063
Perry.....	74,201	80,100	24,870	22,883	27,124	25,094	5,933	6,200	793	851	10,068	11,269	142,989	146,337
Pike.....	18,839	14,484	14,484	12,618	32,525	32,060	15,704	18,846	1,802	2,840	21,139	21,903	107,790	107,726
Porter.....	24,084	28,370	7,229	6,918	34,545	35,757	14,165	10,963	906	1,233	7,134	6,042	88,084	85,303
Posey.....	16,916	18,907	14,107	12,227	15,968	12,648	12,180	15,171	1,197	1,190	11,058	18,020	71,426	76,163
Pulaski.....	30,560	28,050	10,587	10,988	35,279	41,856	8,453	13,658	842	918	10,657	8,598	96,378	104,068
Putnam.....	15,383	22,423	13,845	23,553	33,537	67,776	11,485	14,982	1,848	1,814	12,436	12,659	148,534	143,207
Randolph.....	21,273	20,581	16,979	15,708	22,087	25,192	26,188	23,105	2,256	2,308	6,101	9,627	93,884	96,521
Ripley.....	37,322	38,753	21,860	19,730	41,924	36,713	13,988	10,694	5,879	2,367	20,115	26,394	141,088	134,651
Rush.....	12,402	12,058	11,798	12,012	24,601	22,223	22,500	23,668	1,744	1,293	2,828	2,671	75,873	73,925
St. Joseph.....	19,366	18,385	17,434	14,742	19,025	20,401	13,385	15,428	3,377	2,963	29,068	21,335	101,655	93,254
Scott.....	21,928	26,455	9,659	6,802	13,729	10,686	7,365	9,514	973	761	7,231	7,340	61,485	61,558
Shelby.....	15,894	17,398	7,831	8,913	13,367	12,366	19,130	17,003	1,048	1,419	4,314	6,809	61,584	63,906
Spencer.....	31,832	31,744	14,582	17,717	27,967	32,572	14,251	10,179	2,107	1,252	18,713	19,867	109,432	113,331
Starke.....	25,608	24,964	8,806	9,838	23,088	15,891	10,361	8,467	571	2,265	11,462	10,896	79,826	72,320
Steuben.....	14,785	13,585	14,050	15,517	30,864	34,282	14,589	13,842	926	1,056	11,799	10,068	87,013	86,360
Sullivan.....	20,103	29,107	8,752	9,699	32,805	28,681	29,394	23,479	2,371	3,038	16,771	17,884	110,196	111,888
Switzerland.....	15,557	16,883	8,607	4,507	51,742	51,029	3,414	4,622	1,160	1,162	13,378	11,951	93,858	90,154
Tipton.....	17,714	21,129	10,009	9,973	29,490	31,329	20,145	19,314	1,488	1,292	7,043	4,782	85,889	87,819
Union.....	8,810	6,785	10,932	12,506	10,118	11,814	13,550	13,508	1,002	1,148	951	616	45,363	46,377
Vanderburgh.....	8,780	8,541	4,189	4,145	13,708	14,570	12,146	10,102	434	313	1,044	951	40,301	38,622
Vermillion.....	16,740	16,715	7,073	8,214	4,476	4,390	11,119	9,365	1,772	1,568	5,761	8,233	46,941	48,485
Vigo.....	6,817	4,372	9,152	8,955	23,484	24,467	3,814	4,328	1,007	858	865	3,305	45,139	46,285
Wayne.....	18,275	14,346	9,432	11,854	16,726	25,262	18,454	15,485	4,415	1,255	11,435	10,174	78,757	78,376
Wabash.....	15,761	15,530	18,070	18,126	26,477	25,183	16,483	14,473	1,811	2,653	3,434	6,638	82,036	82,603
Warren.....	13,157	14,650	10,133	14,016	21,634	21,132	5,371	5,776	439	410	5,815	4,127	58,549	60,117
Washington.....	26,399	27,497	10,492	10,836	32,829	32,829	16,066	14,423	2,288	2,244	20,077	23,769	102,584	111,598
Wayne.....	56,591	54,539	43,755	49,606	26,004	30,761	45,949	48,210	2,182	3,142	30,647	17,455	205,123	203,713
Wells.....	21,603	24,603	10,952	11,425	33,202	27,800	26,846	31,420	1,324	1,734	4,710	5,139	98,637	102,121
White.....	14,241	18,511	10,990	20,758	16,657	16,540	18,523	18,116	1,702	1,760	9,532	7,822	72,645	83,507
Whitley.....	9,331	10,534	9,178	9,180	31,089	35,552	13,330	16,943	741	833	18,028	7,770	81,697	80,812
.....	23,751	24,314	10,638	9,026	33,234	33,286	5,192	6,296	1,709	2,102	7,070	4,711	81,594	79,735

TABLE III.—CEREAL CROPS—ACRES HARVESTED

COUNTIES	Corn		Oats		Wheat				Rye				Barley		Buckwheat	
	1921	1920	Oats		Wheat		Rye		Barley		Buckwheat					
			1921	1920	Harvested	Sown	Harvested	Sown	1921	1920	1921	1920				
State Totals	4,698,251	4,782,076	2,216,445	2,097,183	1,976,453	2,042,449	1,955,400	1,895,848	410,013	285,941	444,369	411,922	47,432	61,293	11,535	23,902
Adams	44,736	49,454	36,206	34,690	13,889	14,079	12,160	12,966	1,710	1,408	1,426	1,565	2,002	2,500	200	278
Allen	78,246	77,704	61,397	62,443	21,952	26,307	21,343	21,122	3,800	3,048	3,627	3,672	4,040	5,111	118	2,242
Bartholomew	52,516	56,565	10,032	11,438	49,159	43,989	44,212	44,953	1,828	1,599	1,524	1,441	30	9	75	2
Benton	102,711	100,366	87,884	84,368	6,335	6,384	6,384	4,013	4,446	4,559	4,752	3,776	43	.....	11	.....
Blackford	26,075	25,766	17,021	14,140	3,328	4,204	3,957	3,230	649	675	1,031	771	497	1,277	49	34
Boone	83,700	84,365	45,356	41,108	9,622	17,652	5,857	10,722	3,188	2,371	2,237	2,753	105	209	16	70
Brown	13,125	14,685	8,518	8,247	4,428	4,740	3,606	5,224	393	553	376	480	.....	.....	4	23
Carroll	67,828	68,903	33,736	29,549	14,874	23,722	15,128	15,002	10,921	5,204	12,847	12,622	1,389	1,482	20	30
Cass	66,695	64,161	34,974	30,562	20,796	27,765	20,474	26,600	20,286	8,833	17,156	18,164	552	351	212	108
Clark	28,154	31,875	6,494	7,807	16,070	13,422	15,086	15,819	493	367	900	977	1,142	566	170	225
Clay	39,923	42,111	17,073	14,231	23,347	24,579	19,412	22,524	658	768	879	1,454	62	.....	89	68
Clinton	77,244	81,320	42,997	38,326	25,532	30,397	25,507	25,047	3,650	2,443	4,551	4,570	135	72	265	55
Crawford	20,491	26,106	5,740	7,143	11,338	10,159	11,730	11,743	624	976	565	961	9	.....	16	.....
Daviess	53,240	55,951	18,665	18,382	37,059	34,752	35,273	34,804	1,417	921	2,392	1,138	7	.....	26	30
Dearborn	20,362	24,245	4,276	5,263	14,031	13,864	13,623	14,893	1,895	1,164	2,034	2,174	26	10	7	1,330
Decatur	55,205	56,295	6,621	7,419	37,378	38,139	37,048	39,072	1,716	1,690	2,227	2,026	10	43	26	46
DeKalb	35,434	35,527	26,524	24,884	19,029	21,179	21,337	16,555	4,830	2,722	5,528	4,909	2,553	4,393	222	123
Delaware	62,221	67,405	28,267	26,238	15,797	16,503	11,420	15,165	8,256	5,090	5,120	6,238	862	2,003	165	143
Dubois	36,602	37,633	14,388	14,527	39,053	37,752	38,581	34,664	299	466	699	6	21	.....	.....	.....
Elkhart	42,389	44,369	25,524	26,329	24,070	30,836	26,787	24,361	16,696	10,301	13,712	17,544	535	580	329	372
Fayette	33,008	31,630	3,463	4,627	19,871	18,538	18,445	19,032	2,808	1,757	3,801	3,654	45	57	.....	.....
Floyd	9,475	11,187	1,805	2,174	4,507	4,620	4,166	4,469	358	185	474	464	53	86	5	38
Fountain	59,650	65,546	38,137	37,510	16,465	18,707	15,975	15,573	6,919	6,686	5,475	7,280	23	60	.....	.....
Franklin	38,689	41,437	4,101	4,177	27,306	28,112	29,881	25,834	2,820	1,857	3,966	3,126	26	33	10	2
Fulton	47,954	51,292	29,996	29,658	8,682	10,307	9,672	8,094	15,526	9,255	18,665	12,653	395	751	218	354
Gibson	65,374	69,665	9,653	15,086	46,872	39,206	41,415	47,965	689	1,494	720	951	.....	485	7	411
Grant	63,688	66,672	36,148	36,604	14,752	17,390	14,872	15,295	2,357	2,038	2,413	4,008	447	598	66	83
Greene	56,006	57,465	19,348	16,611	24,572	24,581	21,327	23,673	1,050	800	997	1,134	.....	.....	84	114
Hamilton	72,545	69,909	36,516	28,522	23,996	28,506	21,356	19,414	4,130	1,634	1,960	2,229	156	158	37	33
Hancock	59,915	58,006	25,335	23,652	22,180	22,485	15,666	22,950	4,699	4,219	4,220	5,060	158	386	8	980

Harrison.....	31,431	33,476	9,700	8,800	26,523	28,575	26,596	28,122	1,323	1,353	2,200	2,502	511	505	39	40
Hendricks.....	70,468	68,670	29,076	24,196	20,050	24,268	17,577	21,695	3,911	2,587	4,405	6,745	81	83	39	25
Henry.....	65,553	25,139	24,686	25,139	22,021	23,896	16,347	26,631	3,608	2,923	3,227	5,375	364	829	43	41
Howard.....	54,162	57,132	30,194	27,834	9,883	14,073	6,980	11,952	4,186	3,168	4,252	4,733	106	151	9	17
Huntington.....	55,200	58,418	45,277	44,348	9,646	13,460	9,736	10,829	2,289	1,375	1,400	2,905	545	1,215	11	30
Huntston.....	51,758	50,059	21,480	14,532	33,291	29,775	29,553	33,059	3,128	2,083	3,328	3,254	.....	.....	235	72
Jasper.....	83,498	86,429	70,715	64,629	12,097	20,903	11,745	10,145	7,277	6,754	13,716	7,384	132	92	458	1,219
Jay.....	53,784	55,967	36,534	36,379	10,841	13,962	12,080	10,107	1,855	1,798	2,075	3,047	767	24	26	378
Jefferson.....	31,468	33,500	4,835	6,919	16,787	14,747	16,478	19,239	906	1,026	1,388	1,113	38	2,155	346	29
Jennings.....	31,874	34,272	5,429	9,505	16,891	12,931	15,250	17,488	943	412	1,258	958	23	37	761	461
Johnson.....	57,187	58,311	4,423	4,712	46,649	45,082	43,546	43,770	353	401	282	617	55	11	5	62
Knox.....	60,057	74,556	30,320	18,855	71,074	65,095	74,192	65,164	2,426	1,724	2,131	2,866	56	107	311	627
Kostusko.....	61,977	61,458	34,230	38,992	22,273	17,146	27,415	17,871	19,509	12,212	23,178	16,961	1,940	1,887	20	110
Lagrange.....	40,172	40,819	14,371	18,346	20,615	27,065	24,626	20,435	17,196	11,148	16,332	18,129	467	538	98	233
Lake.....	54,819	54,123	42,653	39,496	13,049	17,960	14,193	12,274	2,381	2,438	4,319	2,116	2,049	2,037	433	996
Laporte.....	74,287	76,919	48,423	43,343	39,976	53,302	33,017	44,471	19,411	12,753	26,216	18,134	203	274	282	203
Lawrence.....	44,461	42,542	42,542	13,655	18,843	17,876	14,970	13,908	2,269	2,623	2,419	1,742	176	120	19	25
Madison.....	82,988	78,745	37,601	28,931	30,501	28,780	25,933	23,064	2,605	2,307	2,284	2,626	661	1,448	6	863
Marion.....	50,170	47,357	22,117	19,139	26,592	29,455	17,223	24,848	1,085	1,751	7,701	1,314	71	148	60	222
Marshall.....	53,614	53,667	24,075	25,871	22,533	25,843	26,473	19,750	13,158	8,068	11,717	14,721	730	412	206	337
Martin.....	23,785	27,572	5,292	5,627	7,300	5,809	5,131	7,409	476	383	431	460	3,813	33	14	80
Miami.....	55,285	53,567	26,377	24,693	22,890	23,225	21,745	21,884	4,435	1,380	4,077	4,948	32	192	102	461
Monroe.....	27,681	27,583	10,619	8,548	8,956	8,842	7,607	9,922	1,260	753	1,612	1,422	.....	12	8	2
Montgomery.....	90,892	86,012	48,938	44,745	13,603	19,442	11,244	12,071	10,218	7,484	7,399	10,441	269	284	40	95
Morgan.....	51,333	53,510	11,126	9,769	30,000	27,894	26,470	29,447	1,263	1,039	1,543	1,821	17	79	23	23
Newton.....	73,340	70,509	62,318	55,690	4,333	7,175	6,056	4,502	3,248	3,935	4,226	3,078	126	1,035	220	309
Noble.....	45,389	44,119	23,974	23,105	23,886	27,148	28,290	20,222	12,263	7,476	12,408	11,707	3,694	4,930	236	236
Ohio.....	5,783	5,946	1,050	788	3,586	2,602	2,970	3,206	596	362	3,362	683	.....	41	582	4
Orange.....	33,806	31,735	10,290	9,196	13,125	8,438	13,848	13,058	306	363	1,009	846	.....	.....	49	.....
Owen.....	31,487	35,546	8,583	8,143	11,815	15,283	10,031	15,471	1,306	848	1,530	1,298	.....	.....	57	11
Parke.....	52,445	53,856	22,576	21,358	19,365	19,058	16,154	18,762	3,688	2,492	3,381	4,035	20	11	21	26
Perry.....	24,949	24,860	6,122	6,624	18,270	14,124	18,758	17,723	2,363	393	509	453	208	258	.....	.....
Pike.....	37,758	34,893	8,866	7,896	16,584	10,441	13,815	15,456	253	336	398	1,423	9	13	146	2,256
Porter.....	47,431	48,756	40,340	34,918	10,693	23,749	20,869	18,194	8,413	4,932	14,123	7,769	503	439	127	284
Posey.....	67,338	64,611	9,194	9,413	59,720	53,450	66,868	63,229	1,007	326	554	455	13	41	130	9
Pulaski.....	59,151	59,572	48,195	40,827	10,928	17,194	11,447	9,428	11,720	9,763	16,580	10,726	133	269	890	982
Putnam.....	54,188	59,270	20,768	22,222	29,125	25,050	32,308	23,195	4,805	3,367	3,504	4,442	.....	61	3	3
Randolph.....	76,676	38,309	37,154	36,095	27,452	29,573	24,342	28,945	2,913	3,057	3,253	3,220	579	1,617	33	136
Ripley.....	43,131	43,981	4,204	7,750	33,817	27,755	27,961	31,682	3,552	1,616	6,580	4,993	.....	1,14	755	660
Rush.....	83,537	82,200	11,457	12,457	44,346	44,624	45,904	44,795	4,084	2,608	6,193	4,946	154	169	.....	.....

TABLE III.—CEREAL CROPS—ACRES HARVESTED

COUNTIES	Corn		Oats		Wheat				Rye				Barley		Buckwheat	
					Harvested		Sown		Harvested		Sown					
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
St. Joseph....	40,810	19,279	23,787	4,700	30,959	6,156	33,384	9,762	17,226	296	19,284	627	464	.....	212	5
Scott.....	18,391	77,087	4,434	13,395	9,151	54,014	15,417	48,122	432	1,201	412	1,410	.....	56	.....	50
Shelby.....	82,089	40,028	13,423	10,401	57,684	30,021	55,384	40,213	1,161	990	2,038	1,330	16	69	.....	.....
Spencer.....	40,128	29,404	8,627	16,148	36,499	11,880	40,931	12,803	1,283	10,224	1,466	13,891	72	159	92	676
Starke.....	32,083	44,245	21,184	23,791	6,872	37,207	6,014	25,249	13,717	14,142	15,689	10,852	108	689	360	315
Steuben.....	27,987	27,209	15,615	11,764	10,261	14,096	12,557	10,074	10,351	9,728	11,495	12,051	2,980	4,629	88	383
Sullivan.....	59,388	57,960	25,199	17,079	32,127	29,657	30,710	28,044	1,561	1,689	1,591	3,993	32	127	248	241
Switzerland...	12,220	13,978	3,047	3,542	7,940	6,400	8,467	7,955	1,358	1,528	1,141	1,669	.....	2	104	71
Tiptecanoe...	99,033	97,946	57,054	54,076	19,964	26,133	21,257	15,454	10,856	6,097	10,669	7,723	146	107	9	54
Tipton.....	51,936	54,666	22,458	18,209	12,358	18,061	11,424	11,800	1,717	1,542	2,554	2,176	435	825	466	.....
Union.....	25,466	26,991	1,978	4,260	19,180	17,704	18,482	13,234	250	177	391	277	.....	5	.....	.....
Vanderburgh..	28,544	32,176	3,270	6,564	30,358	21,989	31,818	28,734	166	206	366	507	.....	31	52	.....
Vermillion....	41,114	39,398	24,606	20,305	7,221	9,776	7,612	5,832	3,829	3,775	4,107	3,370	76	.....	95	208
Vigo.....	50,503	55,323	20,026	18,319	37,910	37,320	23,581	32,245	2,434	2,920	2,443	2,305	79	135	229	58
Wabash.....	61,623	65,538	45,458	42,429	20,951	22,299	21,985	19,537	3,387	1,366	2,489	3,324	724	1,009	91	177
Warren.....	61,719	69,740	52,327	50,425	13,377	9,639	10,285	5,977	6,015	2,890	5,735	3,334	286	273	83	.....
Warrick.....	37,344	40,274	9,136	12,328	26,492	18,883	20,004	25,347	7,322	5,774	4,442	889	24	19	.....	18
Washington....	38,899	42,895	16,289	14,809	19,345	12,323	15,497	19,209	1,879	1,248	1,521	1,941	275	113	22	138
Wayne.....	62,989	61,944	14,606	13,315	34,103	33,882	34,992	32,882	1,667	673	3,205	2,833	54	238	15	47
White.....	60,343	55,050	35,391	35,320	6,064	8,132	6,575	6,575	2,014	1,807	942	1,523	1,420	2,744	187	1,988
Whitesburg...	104,083	104,312	79,865	73,809	13,997	16,523	22,870	5,942	11,667	7,962	13,648	11,109	215	142	564	888
Whitley.....	35,557	35,317	25,874	27,178	8,332	10,045	11,999	8,630	5,462	1,969	5,459	4,256	6,176	7,147	27	129

TABLE III.—ACREAGE IN CROPS—Continued.

COUNTIES	Timothy		Clover		Timothy and Clover Mixed		Alfalfa		Millet and Hungarian Grasses		Cereals and Soy Beans for Hay		Wild, Salt and Prairie Grasses		All Other Hay, and Forage Crops	
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
State Totals.....	859,420	854,253	538,101	678,503	823,544	719,941	79,982	69,971	15,059	23,128	45,323	31,378	17,198	20,379	57,451	54,022
Adams.....	12,100	15,620	8,651	4,762	20,300	16,742	596	455	24	75	31	23	.....	.....	57	143
Allen.....	31,969	29,348	8,869	10,215	26,816	23,463	843	897	88	33	180	68	.....	.....	106	89
Bartholomew.....	12,113	14,988	8,896	10,909	6,592	6,476	356	542	144	109	91	95	127	45	36	56
Benton.....	2,808	4,554	4,022	3,517	2,548	4,011	100	110	19	38	65	.....	.....	.....	.....	.....
Blackford.....	7,196	4,734	2,203	3,820	5,265	6,077	88	85	9	26	.....	.....	.....	.....	.....	6
Boone.....	8,659	8,709	8,090	10,538	12,173	10,756	364	394	7	6	83	64	30	16	48	150
Brown.....	7,077	6,367	9,066	1,059	1,971	2,293	46	65	491	669	40	51	33	12	143	48
Carroll.....	3,925	4,016	7,173	8,817	12,190	12,192	349	369	110	80	138	168	.....	.....	67	32
Cass.....	7,937	7,500	8,654	10,750	9,983	8,841	602	139	99	78	344	70	.....	.....	27	19
Clark.....	4,426	4,343	3,552	3,501	6,316	5,195	200	174	202	263	861	664	473	70	4,631	3,652
Clay.....	21,291	23,943	2,016	3,846	6,796	3,962	305	197	37	62	288	160	12	.....	425	75
Clinton.....	5,036	5,861	6,745	6,223	11,091	7,436	343	318	58	36	210	58	.....	.....	92	94
Crawford.....	4,776	5,960	6,074	6,313	5,734	6,525	20	16	335	384	1,034	995	7	23	457	151
Davies.....	14,184	14,182	5,347	6,308	5,165	5,602	325	412	156	230	3,496	2,325	162	33	1,461	390
Dearborn.....	8,652	10,715	4,181	4,207	12,400	10,952	7,415	7,207	116	70	4	6	.....	.....	63	248
Decatur.....	11,054	9,211	4,852	4,259	18,262	14,173	48	64	15	18	15	4	.....	.....	.....	178
DeKalb.....	17,490	13,582	3,563	5,762	22,385	18,348	687	649	21	48	31	6	.....	.....	268	97
Delaware.....	12,526	8,580	11,130	8,970	11,178	11,038	1,239	1,038	90	74	35	106	.....	.....	105	437
Dubois.....	12,675	12,542	13,025	12,542	3,428	2,278	165	16	66	78	1,689	921	.....	.....	1,567	1,265
Elkhart.....	12,899	14,043	4,568	7,303	14,187	13,378	4,889	2,293	248	367	1,253	947	178	271	172	118
Fayette.....	3,560	2,423	2,652	4,345	6,627	5,597	191	297	63	22	3	10	.....	.....	1,283	35
Floyd.....	2,693	2,598	1,941	4,944	2,769	2,575	327	194	115	191	691	417	3	5	221	272
Fountain.....	8,466	9,455	7,470	7,041	5,462	3,399	201	166	18	16	35	74	11	.....	215	338
Franklin.....	6,797	6,883	5,164	7,723	13,946	12,230	1,043	70	103	114	12	12	.....	.....	414	855
Fulton.....	6,999	8,275	5,389	8,208	8,468	6,508	1,731	996	115	781	623	282	78	118	548	425
Gibson.....	4,690	9,100	6,314	7,750	9,708	7,524	595	523	512	948	2,733	1,473	152	116	437	316
Grant.....	10,544	8,172	10,873	11,270	11,052	12,491	931	2,748	49	113	68	111	11	.....	207	132
Greene.....	23,328	20,239	4,830	6,232	6,488	7,105	704	619	478	716	949	416	197	256	864	643
Hamilton.....	6,664	6,049	4,515	10,036	14,990	12,304	231	206	12	30	21	23	.....	.....	1,470	28
Hancock.....	6,989	5,834	4,465	10,577	7,641	7,459	388	349	18	43	9	25	.....	.....	1,189	15

TABLE III.—ACREAGE IN CROPS—Continued.

COUNTIES	Timothy		Clover		Timothy and Clover Mixed		Alfalfa		Millet and Hungarian Grasses		Cowpeas and Soy Beans for Hay		Wild, Salt and Prairie Grasses		All Other Hay, and Forage Crops	
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
Harrison.....	5,581	4,983	7,015	7,696	4,985	5,320	884	565	801	463	1,633	1,005	258	195	1,456	801
Hendricks.....	13,497	9,699	7,088	7,714	7,100	7,349	302	269	355	340	328	208	165	.....	819	89
Henry.....	5,429	3,948	8,197	11,973	7,714	8,191	244	122	57	49	102	189	7	.....	59	108
Howard.....	3,372	4,858	5,190	10,758	17,314	15,963	624	1,155	72	11	35	.....	47	.....	5,147	494
Howell.....	7,799	8,491	7,494	8,799	10,547	9,388	62	180	.....	15	220	161	13	.....	180	16
Huntington.....	.....	.....	.....	.....	18,011	14,418	503	538	17	28	66	54	.....	94	198	2,550
Jackson.....	13,621	10,711	7,407	7,696	4,985	5,320	884	565	801	463	1,633	1,005	258	195	1,456	801
Jasper.....	7,493	9,858	7,871	10,170	1,170	1,014	83	76	415	566	134	756	1,140	3,907	711	594
Jay.....	14,761	14,769	7,205	10,156	15,722	13,503	610	465	15	61	111	129	2	.....	135	74
Jefferson.....	6,382	9,226	4,271	5,313	12,283	8,396	1,957	2,219	75	99	29	34	13	.....	445	106
Jennings.....	11,694	14,104	1,820	2,719	6,094	5,541	926	74	98	194	214	95	1,204	840	2,209	3,542
Johnson.....	7,040	4,883	10,829	18,017	12,377	6,896	383	340	17	47	8	66	20	6	235	72
Knox.....	10,371	9,617	13,094	14,868	4,204	4,204	1,104	1,579	311	435	4,496	2,688	206	61	68	357
Kosciusko.....	9,453	9,806	10,927	13,415	16,767	16,596	941	667	90	169	83	89	22	52	245	707
Lagrange.....	4,051	5,561	7,684	10,310	13,535	9,822	2,711	1,751	118	306	310	376	112	162	63	132
Lake.....	23,593	27,915	1,825	1,568	8,556	5,502	283	1,863	110	1,247	26	19	1,778	1,476	79	94
Laporte.....	16,521	14,123	2,985	3,637	5,828	6,414	1,403	894	542	638	361	315	2,371	2,135	966	273
Lawrence.....	8,190	10,204	6,641	10,798	3,884	10,801	2,412	1,494	1,434	1,138	977	615	.....	38	651	659
Madison.....	7,435	8,474	6,645	9,733	13,108	11,588	503	451	51	40	.....	68	.....	92	92	460
Marion.....	12,616	10,967	7,081	12,068	6,803	7,375	924	603	41	64	104	122	15	60	276	111
Marshall.....	7,562	7,863	6,328	11,014	13,686	12,003	2,977	1,341	262	436	388	293	230	800	500	659
Martin.....	5,280	9,571	2,843	3,223	4,335	3,756	95	119	179	327	351	313	39	284	391	354
Miami.....	7,486	6,625	7,168	8,464	10,070	8,527	613	386	.....	36	149	74	.....	.....	76	143
Monroe.....	11,165	10,578	4,231	3,382	14,000	7,692	483	262	930	471	531	415	333	25	1,154	2,256
Montgomery.....	10,067	12,435	10,280	12,553	11,473	11,151	743	550	142	95	298	416	.....	1	1,267	214
Morgan.....	12,645	11,859	7,016	10,750	3,749	3,555	898	619	137	304	109	69	63	29	54	65
Newton.....	3,008	3,470	1,233	1,106	1,534	1,554	223	65	65	232	54	567	766	1,255	281	132
Noble.....	6,670	5,789	11,524	13,496	13,877	12,458	1,166	1,023	70	175	27	26	34	1	119	45
Ohio.....	3,762	3,762	1,197	1,003	2,505	1,779	2,265	2,339	1	26	90	62	.....	.....	.....	.....
Orange.....	4,094	3,580	3,844	5,451	6,380	7,105	203	1,817	272	669	147	265	21	538	1,018	652
Owen.....	18,547	17,334	1,659	2,534	4,019	4,011	507	372	220	428	603	101	.....	6	81	170

Parke.....	9,579	11,333	7,805	8,500	2,697	2,085	864	618	27	11	295	158	37	1	27	208
Perry.....	6,607	6,567	8,293	8,508	2,697	1,973	475	317	273	357	1,156	1,003	187	626	1,200	780
Pike.....	8,754	4,286	4,087	3,283	3,749	3,283	518	302	260	84	1,812	996	25	25	906	2,327
Porter.....	16,735	2,248	3,553	8,855	1,586	1,586	1,586	1,008	376	695	65	58	751	1,208	209	397
Poey.....	5,980	4,563	16,148	15,027	3,233	2,675	646	564	200	99	1,373	1,070	54	73	279	156
Pulaski.....	9,380	10,073	1,450	1,280	2,387	1,739	234	280	123	416	676	514	1,784	1,768	198	683
Putnam.....	16,591	12,968	9,944	9,314	4,275	4,760	429	397	79	42	108	155	6	87	225	182
Randolph.....	8,474	5,567	8,161	12,569	17,743	12,743	942	635	26	92	13	46	6	7	50	163
Ripley.....	18,671	18,706	4,705	5,482	15,569	12,012	379	416	42	36	63	33	.....	7	306	534
Rush.....	9,149	4,272	7,568	12,510	13,809	16,749	757	269	29	59	45	38	.....	.....	48	119
St. Joseph.....	12,288	10,486	3,984	7,022	9,218	9,522	4,703	4,414	435	420	411	328	256	534	263	2,571
Scott.....	3,311	3,353	1,190	1,626	3,821	3,638	6	10	7	72	209	89	.....	.....	1,416	1,322
Shelby.....	5,893	5,235	11,557	16,062	9,325	9,885	276	290	15	69	53	73	13	.....	905	1,061
Spencer.....	7,868	8,187	9,387	11,184	6,023	5,431	1,142	1,227	124	102	2,408	2,020	1,186	1,003	4,427	3,546
Starke.....	4,675	4,479	160	455	209	851	404	62	496	448	1,013	473	1,416	1,100	157	140
Steuben.....	6,094	7,463	5,613	8,393	11,226	7,405	2,711	2,276	46	152	7	27	26	32	22	56
Sullivan.....	17,612	14,195	4,287	5,361	6,033	5,093	805	507	233	186	1,468	459	87	61	685	488
Switzerland.....	5,824	6,034	2,313	2,629	3,731	2,098	4,505	4,026	27	19	40	4	.....	.....	438	447
Tippecanoe.....	8,069	8,768	8,722	10,236	5,140	4,100	1,342	1,157	122	119	41	73	.....	15	122	.....
Tipton.....	5,051	4,535	5,262	6,900	11,047	4,900	137	53	.....	31	2	133	.....	.....	34	168
Union.....	1,788	1,030	1,400	2,511	9,031	8,193	74	81	10	13	25	15	.....	.....	.....	3
Vanderburgh.....	7,521	6,673	7,933	7,476	1,101	1,526	686	559	78	85	1,953	1,345	102	.....	1,599	994
Vermilion.....	6,032	4,938	2,184	3,206	1,254	1,226	710	545	13	83	57	17	.....	.....	.....	.....
Vigo.....	14,214	12,627	4,879	6,096	3,470	4,128	751	462	525	288	1,222	442	703	626	390	293
Wabash.....	10,436	9,462	10,786	13,029	12,417	10,027	575	393	33	16	22	42	.....	18	224	611
Warren.....	4,156	4,283	7,951	5,760	2,026	1,776	442	375	4	1,693	54	9	.....	6	714	518
Warrick.....	6,363	6,678	4,986	7,730	9,257	6,266	470	399	180	113	2,634	1,965	101	32	7,118	7,140
Washington.....	10,632	9,753	4,030	4,596	9,115	10,413	238	186	178	168	243	229	2	10	736	826
Wayne.....	4,711	3,662	5,210	9,805	20,010	14,036	909	620	184	84	36	76	.....	.....	24	13
Wells.....	10,140	10,402	4,821	6,444	15,037	9,529	397	362	36	84	397	67	11	.....	208	173
White.....	9,978	12,193	4,567	3,701	7,755	5,437	86	72	138	152	253	250	143	50	60	155
Whitley.....	6,552	6,106	4,487	7,345	16,006	14,990	453	370	58	94	.....	50	.....	.....	1,753	1,692

TABLE III. SEED, TRUCK, SMALL FRUIT AND OTHER CROPS HARVESTED

COUNTIES	Clover Seed		Timothy Seed		Other Grass Seed		Cowpeas and Soy Beans for Seed		Commer- cial Truck Crops	Small Fruit	Sorghum Cane	All Other
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1921	1921	1921
State Totals.....	51,772	93,418	3,985	6,048	1,759	2,963	12,411	7,477	73,548	6,445	3,808	29,414
Adams.....	860	717	73	163	21	1	5	11	727	.....	2	424
Allen.....	1,326	1,092	36	154	1	.....	109	3	1,910	629	21	1,989
Bartholomew.....	1,689	1,534	24	21	17	9	41	4	203	4	4	.....
Benton.....	331	191	182	93	2	5	17	21	.....	11	.....	.....
Blackford.....	8	113	.....	20	.....	.....	35	10	14	.....	.....	171
Boone.....	1,140	2,540	6	108	.....	16	99	107	31	.....	10	50
Brown.....	13	88	.....	15	.....	.....	126	9	342	52	61	14
Carroll.....	1,604	3,173	32	19	.....	32	436	436	213	19	.....	6
Cass.....	1,506	3,075	.....	18	.....	.....	125	237	556	80	15	.....
Clark.....	29	70	.....	.....	582	1,013	31	40	1,075	383	82	331
Clay.....	143	104	38	38	.....	.....	16	29	1,245	2	30	10
Clinton.....	1,898	1,518	35	90	6	104	99	129	1,520	1	169	98
Crawford.....	79	.....	.....	.....	.....	.....	.....	180	735	162	469	26
Davess.....	44	244	.....	17	24	24	451	7	419	28	23	692
Dearborn.....	32	87	4	10	.....	.....	.....	.....	.....	.....	.....	.....
Decatur.....	335	1,093	150	71	.....	.....	24	.....	18	.....	.....	77
Dekalb.....	513	597	52	411	.....	12	37	27	1,678	91	17	336
Delaware.....	426	796	23	114	.....	20	30	76	910	11	25	18
Dubois.....	1,193	4,996	.....	24	.....	.....	104	514	876	154	146	55
Elkhart.....	287	905	21	55	.....	5	382	273	1,734	166	5	1,011
Fayette.....	194	1,341	.....	50	.....	3	16	32	80	17	.....	.....
Floyd.....	11	13	7	15	.....	.....	19	19	1,892	721	10	55
Fountain.....	1,129	976	20	32	.....	.....	27	28	151	34	.....	.....
Franklin.....	192	2,209	.....	18	.....	.....	16	16	567	2	2	241
Fulton.....	772	1,399	12	85	.....	22	18	62	804	46	21	.....
Gibson.....	142	421	16	275	.....	.....	929	279	2,674	36	112	.....
Grant.....	1,461	2,000	254	79	35	17	193	5	1,978	8	37	525
Greene.....	263	193	17	8	2	.....	134	21	113	9	5	.....
Hamilton.....	336	1,757	6	28	.....	23	57	.....	287	48	8	499
Hancock.....	1,014	2,137	438	356	23	11	99	29	213	4	5	.....

Harrison.....	355	76	.....	.....	.....	.....	11	403	757	6	116	134
Hendricks.....	1,748	275	17	.....	21	36	22	22	288	24	282	87
Henry.....	242	1,320	44	17	13	4	21	4	525	101	8	.....
Howard.....	1,603	1,333	11	.....	.....	.....	176	60	448	141	8	4
Huntington.....	898	1,119	4	203	23	.....	130	32	198	29	.....	.....
Jackson.....	362	161	.....	26	.....	.....	579	379	1,506	179	19	102
Jasper.....	84	119	146	88	53	.....	120	17	688	6	26	114
Jay.....	713	1,157	13	228	.....	.....	196	38	659	57	22	.....
Jefferson.....	209	68	100	108	6	.....	21	10	914	45	128	1,285
Jennings.....	304	113	31	160	10	.....	60	81	256	16	116	53
Johnson.....	1,961	156	.....	8	.....	.....	.....	15	225	33	8	191
Knox.....	333	161	14	.....	69	.....	350	91	3,681	72	6	554
Kosciusko.....	2,475	1,594	12	65	6	.....	17	52	1,790	31	.....	2,709
Lagrange.....	890	772	.....	70	10	.....	99	153	629	6	.....	1,455
Lake.....	84	106	30	43	27	.....	.....	2	1,775	5	.....	69
Laporte.....	616	323	62	60	.....	.....	198	82	2,331	508	58	507
Lawrence.....	1,157	378	126	.....	378	.....	189	41	126	25	63	25
Madison.....	912	449	13	161	54	.....	29	24	1,371	57	7	233
Marion.....	1,060	156	.....	35	.....	.....	66	19	1,868	51	49	411
Marshall.....	1,340	1,328	4	17	35	.....	131	168	2,023	102	76	1,457
Martin.....	156	83	57	29	2	.....	77	30	313	17	136	9
Miami.....	1,179	848	66	3	29	.....	207	138	152	66	2	19
Monroe.....	329	329	10	76	3	.....	55	28	197	1	74	.....
Montgomery.....	2,718	1,183	27	145	.....	.....	478	116	433	37	3	122
Morgan.....	1,273	208	128	112	63	.....	69	47	846	82	36	.....
Newton.....	20	91	.....	9	11	.....	21	13	9	.....	.....	.....
Noble.....	1,688	1,691	135	34	18	.....	1	9	1,877	25	90	437
Ohio.....	.....	7	.....	4	.....	.....	.....	.....	138	.....	.....	13
Orange.....	232	.....	.....	4	22	.....	11	.....	116	21	83	.....
Owen.....	292	258	157	42	92	.....	92	.....	142	.....	19	3
Parker.....	1,473	697	.....	5	.....	.....	203	22	127	31	2	.....
Perry.....	930	6	.....	.....	.....	.....	8	8	563	35	227	47
Pike.....	57	94	.....	18	4	.....	125	113	247	8	60	7
Porter.....	539	66	2	38	11	.....	24	11	670	43	1	.....
Posey.....	751	81	.....	.....	10	.....	111	129	1,081	24	64	243
Pulaski.....	570	570	58	148	.....	.....	301	160	133	7	24	3
Putnam.....	1,089	1,375	84	172	4	.....	44	49	282	45	42	13
Randolph.....	2,499	20	50	20	6	.....	46	13	492	4	8	235
Ripley.....	1,021	288	76	123	50	.....	53	23	290	.....	35	13
Rush.....	1,135	3,096	.....	106	.....	.....	78	20	113	21	16	5

TABLE III. SEED, TRUCK, SMALL FRUIT AND OTHER CROPS HARVESTED—Continued

COUNTIES	Clover Seed		Timothy Seed		Other Grass Seed		Cowpeas and Soy Beans for Seed		Commercial Truck Crops	Small Fruit	Sorghum Cane	All Other
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1921	1921	1921
St. Joseph.....	1,067	1,279	94	98	.....	.....	254	157	3,248	179	122	4,858
Scott.....	.....	.....	24	.....	.....	.....	14	.....	427	8	2	502
Shelby.....	2,146	4,521	28	33	.....	.....	100	103	811	122	.....	49
Spencer.....	124	45	19	.....	11	.....	322	22	1,126	33	51	365
Starke.....	47	23	77	9	.....	37	1,281	608	2,341	276	24	1,731
Steuben.....	1,370	773	57	.....	.....	.....	3	5	293	2	1	78
Sullivan.....	26	237	45	51	15	.....	284	179	608	12	2	.....
Switzerland.....	1	75	2	10	57	17	.....	.....	1,204	.....	.....	1,626
Tipecanoe.....	958	1,544	.....	39	22	91	75	80	505	85	5	4
Tipton.....	595	1,391	248	47	.....	96	223	148	1,177	166	.....	.....
Union.....	122	147	.....	.....	.....	.....	.....	.....	1	2	.....	.....
Vanderburgh.....	95	247	1	.....	14	.....	48	173	1,498	83	38	.....
Vermillion.....	35	586	22	15	44	.....	22	34	69	97	51	28
Vigo.....	844	1,116	.....	767	.....	.....	96	39	4,058	313	67	433
Wabash.....	826	1,582	7	20	69	5	20	282	253	.....	.....	.....
Warren.....	1,660	1,771	.....	35	.....	.....	11	.....	127	.....	.....	.....
Warrick.....	101	1,109	19	65	106	5	532	374	730	38	118	682
Washington.....	103	223	383	139	32	331	92	.....	205	178	55	415
Wayne.....	323	1,141	47	16	.....	52	.....	7	470	6	30	422
Wells.....	861	752	2	90	5	21	645	25	190	79	77	94
White.....	315	301	79	51	.....	42	209	201	143	47	23	.....
Whitley.....	383	871	20	82	.....	3	43	14	808	25	17	726

TABLE IV. TOTAL ACREAGE IN CROPS AND ACREAGE DUPLICATED

COUNTIES	FARM ACREAGE		ACREAGE INCLUDED WITH OTHER CROPS											
	Total Land in Crops		Clover Seed		Cowpeas and Soy Beans		Oats Cut Green for Hay		Corn Cut for Silage		Corn Grazed or Hogged Off		All Other	
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
State Totals.....	11,979,353	12,007,154	109,732	259,589	22,571	15,300	48,190	25,940	170,474	292,421	108,433	103,702	36,762	53,882
Adams.....	142,614	142,464	4,362	3,634	14	23	69	.....	1,511	2,060	436	851	.....	1
Allen.....	244,445	246,287	4,387	6,698	281	14	20	.....	2,056	3,510	1,040	305	.....	305
Bartholomew.....	143,977	149,221	1,293	4,056	19	82	410	250	1,180	2,404	501	579	.....	38
Benton.....	206,934	204,346	241	456	572	975	95	64	1,743	3,709	1,999	1,407	.....	.....
Blackford.....	62,673	61,610	123	293	31	.....	88	13	472	580	1,721	994	29	.....
Boone.....	172,777	179,296	1,217	3,587	1,019	820	456	397	1,462	3,354	4,532	4,773	1	44
Brown.....	37,783	34,744	.....	51	.....	.....	1,374	997	192	464	.....	4	13	.....
Carroll.....	155,036	158,377	1,385	2,527	1,371	1,167	202	181	1,148	2,885	3,119	4,164	486	52
Cass.....	173,503	183,908	3,043	5,302	781	515	258	209	2,898	4,695	3,070	2,116	35	4,925
Clark.....	75,897	76,754	332	259	99	11	451	55	1,688	4,100	115	322	830	1
Clay.....	113,806	114,931	246	991	263	48	860	263	559	1,466	233	233	6	709
Clinton.....	174,484	174,758	1,824	3,937	651	348	119	80	2,165	4,094	2,299	3,184	4,956	5,448
Crawford.....	58,359	67,524	.....	290	.....	.....	89	185	216	2,380	.....	.....	.....	.....
Daviess.....	142,567	142,160	337	1,994	273	149	1,153	456	731	2,473	300	117	8,468	43
Dearborn.....	74,626	82,088	34	82	46	.....	46	75	1,499	2,842	53	24	.....	.....
Decatur.....	135,806	132,780	645	2,580	292	207	376	439	5,119	4,044	868	1,039	.....	.....
Dekalb.....	131,724	135,033	1,888	5,496	194	65	8	16	1,687	4,985	2,277	1,579	44	354
Delaware.....	144,714	152,449	272	2,230	269	170	1,262	556	2,520	6,746	2,678	3,061	88	630
Dubois.....	126,582	128,332	3,233	6,439	75	93	141	65	2,520	2,236	66	119	38	.....
Elkhart.....	151,343	156,093	1,962	6,117	67	45	240	268	3,413	6,682	258	116	10	18
Fayette.....	73,881	70,819	134	1,116	96	114	272	322	248	846	929	1,633	.....	2
Floyd.....	27,678	29,794	.....	358	.....	3	34	616	1,137	.....	5	.....	.....	7
Fountain.....	145,433	150,284	2,193	2,922	481	46	352	43	987	2,338	1,484	1,655	.....	106
Franklin.....	103,708	107,923	506	1,557	31	14	513	140	679	2,077	379	852	2,835	2,672
Fulton.....	127,381	131,523	5,485	6,375	288	222	479	240	1,126	2,809	390	640	77	110
Gibson.....	151,655	159,540	228	2,445	190	73	733	238	963	1,434	1,079	659	.....	6
Grant.....	155,684	162,744	2,357	4,386	317	297	978	440	2,648	3,697	3,359	2,965	9	60
Greene.....	139,441	136,367	573	2,024	160	31	3,467	1,077	1,314	3,204	91	255	.....	6
Hamilton.....	160,009	160,009	738	2,479	660	784	264	128	2,162	6,002	2,691	3,128	267	36
Hancock.....	133,820	137,030	1,106	3,276	221	203	654	655	1,326	1,987	1,541	1,732	12	52

TABLE IV. TOTAL ACREAGE IN CROPS AND ACREAGE DUPLICATED—Continued

COUNTRIES	FARM ACREAGE		ACREAGE INCLUDED WITH OTHER CROPS										All Other	
	Total Land in Crops		Clover Seed		Cowpeas and Soy Beans		Oats Cut Green for Hay		Corn Cut for Silage		Corn Grazed or Hogged Off			
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920
Harrison.....	91,819	96,866	246	1,832	82	.....	259	79	1,176	2,838	54	57	7	7
Hendricks.....	153,875	152,978	1,011	4,334	366	280	847	634	2,691	5,301	3,035	3,368	296	81
Henry.....	154,081	157,798	34	4,235	174	34	656	281	1,618	2,558	2,558	2,395	48	261
Howard.....	120,799	123,961	2,128	2,393	502	393	335	56	1,086	1,752	3,140	2,804	28	1,138
Huntington.....	148,536	155,767	2,383	6,647	269	71	33	203	1,513	2,958	2,728	3,054	15	137
Ill. Jackson.....	143,483	127,206	1,626	2,489	121	83	602	399	2,988	3,732	222	144	.....	6
Jasper.....	187,431	199,126	1,50	87	28	20	733	161	3,841	5,136	849	1,470	228	518
Jay.....	144,028	151,561	1,161	3,590	187	202	265	199	790	1,724	1,425	1,434	80	96
Jefferson.....	83,976	87,208	94	214	.....	21	403	217	812	2,937	18	14	.....	.....
Jennings.....	80,825	86,497	125	253	123	46	648	170	1,126	2,508	225	69	50	862
Johnson.....	140,194	141,628	1,263	3,826	91	105	285	131	1,904	4,367	557	624	408	5,408
Knox.....	212,685	198,002	298	2,394	229	337	864	113	1,597	2,826	770	1,400	35	.....
Kosciusko.....	184,650	181,083	5,202	10,696	309	27	235	85	3,209	4,502	1,273	1,86	9	.....
Lagrange.....	124,474	130,149	4,965	8,530	360	27	101	110	3,000	3,679	1,959	1,504	71	18
Lake.....	153,669	155,606	13	45	.....	.....	63	11	13,015	13,747	198	80	5	.....
Laporte.....	217,546	219,549	198	762	57	8	408	265	6,475	7,638	1,179	1,099	59	.....
Lawrence.....	108,846	114,359	523	1,136	508	9	1,269	222	1,709	2,117	741	219	13	1,311
Madison.....	184,415	176,373	671	1,974	543	769	640	373	3,151	5,792	2,426	3,048	1,906	6,517
Marion.....	130,536	132,758	64	2,844	146	63	578	392	1,940	4,184	482	487	108	9,947
Marshall.....	151,370	152,981	2,427	6,453	385	342	901	431	3,048	5,895	1,112	681	412	148
Martin.....	54,887	59,085	198	748	117	38	454	474	752	1,427	99	104	356	686
Miami.....	136,112	134,954	1,458	7,361	113	95	223	118	1,714	3,495	2,235	2,191	33	60
Monroe.....	82,170	71,781	86	797	7	74	1,095	266	954	2,061	3	187	277	41
Montgomery.....	201,513	199,022	1,363	2,891	1,350	244	489	385	1,317	2,531	3,818	3,541	56	934
Norgan.....	119,903	122,241	1,947	5,736	89	98	1,656	1,436	1,900	3,392	620	792	6	195
Newton.....	150,502	147,419	.....	49	.....	89	58	42	1,370	2,662	1,518	890	9,172	1,407
Noble.....	146,989	144,039	7,439	15,760	565	211	11	215	2,384	4,993	320	1,873	60	9
Ohio.....	19,667	19,384	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orange.....	74,513	70,159	150	694	46	25	189	129	1,226	2,799	689	308	.....	12
Owen.....	79,535	85,308	261	926	56	5	1,649	598	473	886	97	87	393	.....

Parke.....	120,546	121,524	873	2,139	431	256	620	463	1,287	2,626	2,535	2,040	51	12
Perry.....	71,559	68,866	86	2,980	137	137	509	20	247	209	62	6	.....	.....
Pike.....	84,533	74,913	38	619	21	42	1,126	184	214	814	200	242	.....	742
Proter.....	145,149	146,848	56	698	22	11	371	792	8,867	9,200	428	476	261	1,207
Posey.....	166,955	154,435	1,176	3,924	200	281	553	88	722	1,014	845	806	138	1,466
Pulaski.....	148,345	146,881	402	1,056	743	541	720	387	3,130	3,988	705	472	25	3
Purnam.....	132,111	142,987	992	3,206	758	103	1,314	1,184	1,452	3,662	1,210	1,372	2,133	237
Randolph.....	181,886	182,966	965	6,497	141	317	948	482	1,977	4,078	2,672	1,945	135	106
Ripley.....	130,535	130,535	270	1,345	25	47	105	67	2,495	3,846	43	75	46	.....
Rush.....	176,351	179,742	746	3,387	107	213	351	350	422	2,129	2,357	2,533	.....	.....
St. Joseph.....	154,838	164,849	1,502	3,123	59	287	455	167	4,509	5,353	195	165	32	45
Scott.....	43,345	43,572	6	162	.....	19	473	261	380	2,091	193	91	115	.....
Shelby.....	185,666	183,857	1,970	6,497	198	380	466	392	1,505	3,029	1,054	1,029	27	29
Spencer.....	121,317	118,606	432	1,504	153	137	922	150	658	1,709	209	152	87	37
Starke.....	88,631	82,109	93	98	16	32	1,628	1,027	2,529	2,740	320	101	6	19
Steuben.....	94,831	95,119	1,910	5,745	.....	.....	41	127	1,884	3,484	1,980	1,463	.....	1,114
Sullivan.....	150,757	135,194	148	550	523	119	1,755	644	1,070	2,170	1,826	548	846	1,276
Switzerland.....	44,446	45,353	.....	.....	4	.....	45	11	460	1,343	140	.....	.....	2
Tippecanoe.....	212,874	211,838	955	2,333	86	128	165	91	1,498	3,470	1,410	1,509	50	.....
Tipton.....	113,312	113,279	894	2,155	230	220	117	180	1,111	2,597	2,361	3,322	34	141
Union.....	59,327	61,139	84	283	145	58	41	65	526	900	1,713	1,053	.....	.....
Vanderburgh.....	85,140	82,573	314	757	19	54	654	170	1,103	1,473	9	58	.....	3
Vermillion.....	87,515	84,335	4,098	342	467	8	1,095	136	1,970	1,495	483	388	91	113
Vigo.....	143,146	144,654	896	550	744	184	1,348	829	2,007	2,247	676	351	.....	.....
Wabash.....	167,902	168,850	3,179	6,473	27	207	81	69	1,857	4,061	1,676	1,571	65	2
Warren.....	150,312	149,390	1,334	620	162	25	21	30	1,099	2,066	886	810	.....	.....
Warrick.....	107,163	108,553	617	1,668	120	360	803	527	1,922	2,085	177	229	83	32
Washington.....	108,346	99,388	165	1,716	155	288	194	224	2,645	3,629	378	342	10	1
Wayne.....	145,816	139,878	1,149	3,056	144	289	758	487	2,031	3,427	2,376	3,679	22	22
Wells.....	138,342	136,074	1,178	2,176	637	303	133	11	681	1,729	2,680	1,881	147	644
White.....	234,067	227,074	3,328	1,047	211	119	173	104	2,958	3,298	1,470	1,886	.....	.....
Whitley.....	113,259	114,637	2,387	8,319	118	37	177	19	1,631	2,796	1,269	1,007	20	1,265

TABLE V. MISCELLANEOUS

COUNTIES	Sheep Sheared		Tons of Fertilizer Applied		Tons of Limestone Applied		Laying Hens		Chickens, Pure Bred		Chickens, Grade		Colonies of Bees	
	Number		Number	Number	Number	Number	Sires	Females	Sires	Females	Number	Number		
	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920		
State Totals.....	5,723,037	379,347	426,415	187,163	70,760	10,438,701	18,769	276,299	123,698	3,500,282	27,350	32,034		
Adams.....	101,667	4,960	8,549	317	72	165,346	320	4,064	1,961	34,174	414	366		
Allen.....	141,462	10,258	11,604	1,209	128	209,292	281	3,747	2,761	30,865	222	241		
Bartholomew.....	31,320	2,488	3,313	2,627	12	87,626	46	956	255	49,779	324	359		
Benton.....	188,341	1,828	3,707	937	400	78,821	198	664	1,073	25,200	314	250		
Blackford.....	74,622	6,689	3,680	208	332	83,343	.....	.....	.....	22,114	34	133
Boone.....	178,215	6,524	9,599	934	9	180,312	92	1,242	2,121	49,717	243	444		
Brown.....	127,049	1,041	1,811	766	35	68,207	330	2,851	1,476	27,222	117	177		
Carroll.....	107,524	2,762	3,115	791	33	110,969	147	4,076	1,263	98,187	464	172		
Cass.....	3,534	7,215	6,520	1,616	136	151,756	223	2,167	3,158	31,072	560	415		
Clark.....	9,309	2,906	3,097	2,807	777	85,810	32	852	725	30,750	127	416		
Clay.....	120,692	1,964	2,120	1,916	969	65,419	118	1,305	1,060	12,807	114	540		
Clinton.....	26,577	3,165	3,309	1,764	167	104,196	284	2,105	3,570	76,179	180	589		
Crawford.....	355	1,241	1,447	1,411	401	78,331	16	278	.....	465	59	244	
Davess.....	100,403	3,095	2,828	1,208	1,085	131,582	83	1,307	733	24,688	287	1,441		
Dearborn.....	80,846	1,034	1,090	1,763	261	141,308	10	101	340	10,565	377	108		
Decatur.....	125,950	2,456	3,244	4,842	281	113,566	141	1,819	2,504	51,958	190	215		
Dekalb.....	44,096	11,675	13,298	1,979	94	126,456	32	2,003	105	30,668	80	190		
Delaware.....	27,050	7,958	9,562	1,774	461	244,232	85	2,750	459	42,811	387	460		
Dubois.....	149	1,357	1,637	4,016	18,112	150,409	469	736	1,691	29,008	102	244		
Elkhart.....	27,050	5,486	7,266	1,461	1,464	150,818	49	1,756	2,021	54,233	180	155		
Fayette.....	149	2,397	2,457	2,518	71	47,773	63	919	418	25,081	7	103		
Floyd.....	68,434	194	246	1,165	194	35,726	13	739	688	7,738	20	8		
Fountain.....	18,225	5,336	5,773	954	106	85,256	965	753	3,516	50,563	330	370		
Franklin.....	113,243	4,387	3,553	3,504	512	124,480	6	154	266	13,433	95	126		
Fulton.....	20,163	6,028	7,902	595	484	142,423	100	2,843	397	83,804	142	404		
Gibson.....	148,300	2,932	2,173	3,661	1,612	95,918	716	3,740	5,256	63,371	892	420		
Grant.....	26,160	9,407	9,115	1,495	176	186,793	1,277	22,365	8,470	76,736	689	379		
Greene.....	136,979	4,359	4,972	1,705	166	177,494	373	6,625	4,415	89,273	637	687		
Hamilton.....	131,861	3,991	3,991	1,448	49	113,439	164	1,586	607	2,664	528	205		
Hancock.....	131,861	4,840	4,524	2,772	83	94,778	253	5,782	1,677	67,356	414	395		

Harrison.....	21	2,595	2,662	4,230	2,492	135,430	143,280	506	578	1,418	28,562	90
Hendricks.....	115,479	5,858	6,229	366	145,267	130,936	292	3,933	1,015	36,276	164	245
Henry.....	110,292	5,013	2,192	316	127,772	144,157	47	980	2,171	46,291	185	447
Howard.....	133,261	2,744	3,269	104	132,821	178,583	784	9,217	552	68,905	338	295
Huntington.....	144,725	5,884	635	241	171,845	168,167	851	8,355	1,342	54,491	352	367
Jackson.....	5,388	866	2,382	914	135,518	140,863	639	11,058	582	22,229	157	164
Jasper.....	134,617	1,548	1,666	92	103,933	93,679	129	2,427	1,636	53,413	475	603
Jay.....	117,078	8,023	8,770	162	169,574	154,541	430	5,821	2,424	56,752	555	434
Jefferson.....	93	3,336	6,348	101,297	101,297	102,832	6	248	.....	23,381	201	190
Jennings.....	3,141	2,480	2,532	1,408	95,189	112,353	113	1,288	515	26,938	499	307
Johnson.....	102,461	3,182	3,415	271	99,421	93,523	240	4,304	456	38,669	224	372
Knox.....	17,333	932	1,156	1,545	112,585	127,321	151	4,569	2,017	30,082	143	506
Kosciusko.....	95,314	10,550	1,285	150	235,760	220,930	73	5,605	1,053	96,840	527	423
Lagrange.....	14,722	12,763	706	1,427	142,283	125,269	20	2,207	1,396	51,333	337	388
Lake.....	43,751	451	1,436	1,060	85,235	88,848	69	953	1,146	22,095	141	691
Laporte.....	15,757	3,151	4,539	2,810	96,716	107,680	124	1,142	776	25,326	265	983
Lawrence.....	3,519	4,801	6,093	164	92,262	93,759	73	5,360	558	8,505	592	317
Madison.....	146,719	3,452	3,407	131	123,553	169,718	239	2,497	3,746	66,545	948	835
Marion.....	62,675	1,700	2,492	155	74,518	91,390	15	81	76	14,781	183	341
Marshall.....	64,762	8,656	10,815	3,962	165,464	174,336	20	2,171	12	100,454	465	721
Martin.....	4,134	2,429	2,335	927	62,540	85,895	20	2,500	132	9,048	71	100
Miami.....	98,806	3,001	2,473	1,496	133,151	137,418	45	582	44	62,209	298	231
Monroe.....	3,451	2,999	3,060	528	71,792	78,929	69	19	.....	63,316	154	295
Montgomery.....	168,655	10,758	10,814	1,581	154,520	151,337	236	4,553	1,935	39,932	261	336
Morgan.....	39,227	3,263	3,417	2,251	125,562	136,297	604	16,419	4,194	58,499	248	325
Newton.....	115,012	1,047	1,719	279	63,058	64,774	.....	.....	6	20,793	347	491
Noble.....	86,083	12,858	12,549	93	146,524	114,077	299	4,981	2,285	75,006	634	579
Ohio.....	157	105	117	.....	22,383	21,223	15	1,056	.....	49,144	76	19
Orange.....	224	2,030	2,671	402	120,017	116,538	.....	.....	.....	54	54	90
Owen.....	3,642	5,396	5,901	1,157	104,020	83,545	171	960	338	23,661	171	153
Parke.....	27,068	5,175	6,130	667	75,524	101,163	21	208	445	17,827	237	402
Perry.....	2,527	985	2,059	772	96,851	84,215	123	1,984	20	323	63	71
Pike.....	3,515	2,144	1,759	331	108,275	93,077	101	6,408	328	21,306	327	329
Porter.....	21,592	1,447	1,811	1,811	63,148	85,799	26	1,376	205	14,207	211	428
Posey.....	25,185	2,124	3,330	994	59,560	54,524	93	627	980	30,133	504	304
Pulaski.....	74,869	4,686	4,303	898	119,223	93,799	529	7,803	526	47,056	317	271
Putnam.....	40,451	8,434	9,792	435	163,314	163,314	.....	1,622	259	13,987	381	474
Randolph.....	180,402	5,135	5,706	356	219,698	229,361	55	2,977	3,599	92,296	650	626
Ripley.....	2,698	2,054	2,231	1,703	203,195	202,197	.....	91	.....	18,985	411	277
Rush.....	145,547	5,084	4,417	.....	116,584	122,174	736	6,168	4,820	57,939	152	430

TABLE V. MISCELLANEOUS—Continued

COUNTIES	Average Under Tile Drainage	Sheep Sheared		Tons of Fertilizer Applied		Tons of Limestone Applied		Laying Hens		Chickens, Pure Bred		Chickens, Grade		Colonies of Bees	
		Number	Number	Number	Number	Number	Number	Sires	Females	Sires	Females	Sires	Females	1921	1920
		1921	1920	1921	1920	1921	1920								
St. Joseph.....	45,378	4,353	3,953	2,241	3,650	107,330	133,409	170	2,509	646	25,177	744	417	744	417
Scott.....	6,830	863	875	1,277	1,279	45,949	50,249	65	1,390	.....	.....	240	85	240	85
Shelby.....	124,783	2,704	2,514	3,149	1,182	120,680	128,701	920	19,649	2,743	74,163	318	196	318	196
Spencer.....	15,748	760	793	2,082	1,084	88,550	90,089	76	2,999	1,005	32,969	233	172	233	172
Stark.....	16,724	652	812	862	343	51,862	60,658	.....	.....	.....	25,790	479	929	479	929
Steuben.....	23,696	18,158	18,835	856	101	119,641	126,843	11	1,587	89	39,492	313	165	313	165
Sullivan.....	20,992	5,965	10,389	417	875	146,938	134,282	196	1,403	1,408	48,031	273	958	273	958
Switzerland.....	.....	1,967	2,210	485	.....	56,247	58,158	.....	.....	.....	10,687	197	224	197	224
Tippecanoe.....	124,228	3,849	4,389	719	2	98,678	85,068	74	1,017	996	20,917	72	130	72	130
Tipton.....	90,816	3,095	3,068	298	69	86,751	88,343	59	2,669	.....	12,101	32	122	32	122
Union.....	41,842	2,068	2,328	2,467	20	42,961	47,276	420	5,240	617	15,729	118	84	118	84
Vanderburgh.....	15,302	275	182	1,170	2,172	60,944	54,892	45	1,158	4,929	28,503	160	430	160	430
Vermillion.....	32,048	1,237	1,339	5,522	401	46,724	26,275	691	3,078	3,446	10,439	432	136	432	136
Vigo.....	13,410	2,273	2,062	5,252	1,197	51,758	87,679	10	924	40	1,041	119	402	119	402
Wabash.....	84,369	4,291	5,076	1,741	57	175,849	160,344	.....	191	986	24,107	169	187	169	187
Warren.....	91,291	3,701	3,286	1,387	63	44,499	59,227	277	4,320	1,138	25,334	234	54	234	54
Warrick.....	18,665	832	1,054	1,536	1,046	86,741	87,790	117	1,837	24,477	444	436	436	444	436
Washington.....	2,645	3,302	5,207	4,583	678	110,795	122,123	250	3,792	2,345	68,592	340	549	340	549
Wayne.....	74,788	4,063	5,225	4,951	76	112,687	134,389	305	4,154	4,882	84,794	268	233	268	233
Wells.....	117,657	5,038	4,656	874	4	193,473	161,835	119	2,585	638	39,899	521	281	521	281
White.....	129,539	3,745	4,118	2,954	242	179,926	130,476	54	3,290	.....	35,284	615	358	615	358
Whitley.....	97,547	6,416	5,649	881	67	118,366	133,772	55	825	2,527	51,740	216	259	216	259

TABLE VI. LIVE STOCK ON FARMS JANUARY 1—HORSES

COUNTRIES	FOR ALL PURPOSES						FOR BREEDING PURPOSES											
	Under 1 Year Old			1 Year Old and Under 2			2 Years Old and Over		Died from Disease (all ages)		Pure Bred Sires		Pure Bred Females		Grade Sires		Grade Females	
	1921		1922	1921		1922	1921		1922	1921		1922	1921		1922	1921		1922
	1922	1921		1922	1921		1922	1921		1922	1922		1921	1922		1922	1921	
State Totals.....	15,197	19,436	19,550	27,496	510,375	544,357	8,531	8,572	882	1,048	2,262	2,227	791	2,033	28,619	34,622		
Adams.....	181	252	213	370	6,642	7,141	35	93	9	16	15	3	4	5	183	192		
Allen.....	148	189	465	335	9,643	10,828	111	97	20	22	34	26	.....	2	456	264	
Bartholomew.....	169	188	181	234	4,684	5,506	114	138	9	11	3	5	2	51	397	646		
Benton.....	273	362	549	693	7,544	8,468	210	220	12	14	35	122	13	733	921	921		
Blackford.....	49	66	34	77	3,350	3,479	27	21	4	7	7	8	8	.....	23	22	
Boone.....	202	246	306	509	8,532	7,935	84	80	14	3	8	21	7	6	417	844		
Brown.....	47	64	49	101	2,291	2,291	48	37	8	3	17	11	.....	4	256	444	
Carroll.....	81	170	84	249	7,755	6,318	103	124	9	16	9	17	3	2	162	516		
Cass.....	418	138	618	580	6,949	6,874	182	133	26	24	18	37	4	1	226	238		
Clark.....	92	102	251	109	3,342	3,907	49	47	6	8	5	4	1	10	152	335		
Clay.....	70	225	121	239	3,752	5,386	57	108	12	5	26	2	14	31	514	598		
Clinton.....	177	219	172	368	8,828	8,293	103	103	4	12	23	95	3	9	312	331		
Crawford.....	64	85	275	214	2,714	2,760	42	18	1	5	4	2	.....	1	185	149	
Davess.....	215	293	236	303	5,267	6,093	180	121	15	60	14	7	.....	9	672	721	
Dearborn.....	77	127	259	649	4,085	3,719	58	59	3	3	.....	1	5	3	108	45	
Deatur.....	87	160	87	173	5,091	5,846	145	152	4	4	7	7	3	7	408	569		
Detalb.....	92	97	71	128	6,211	6,611	44	57	6	6	6	15	.....	7	24	69	
Delaware.....	146	269	293	355	13,102	8,287	68	93	16	12	28	29	13	8	121	202		
Dubois.....	156	232	177	275	4,824	4,355	74	120	6	4	18	6	.....	9	386	453	
Elkhart.....	196	239	193	429	7,874	8,886	109	74	31	38	49	101	5	9	731	698		
Fayette.....	39	72	50	93	3,113	3,286	60	60	2	.....	8	1	1	7	194	170	
Floyd.....	9	23	21	16	1,926	1,892	14	7	1	.....	.....	.....	3	3	.....	3
Fountain.....	126	227	175	266	5,805	6,406	167	94	12	14	249	4	14	2	373	584		
Franklin.....	80	160	96	127	5,248	5,248	84	104	2	4	4	2	1	3	136	196		
Fulton.....	161	172	173	303	5,840	6,835	133	103	12	11	6	13	12	6	614	208		
Gibson.....	567	259	467	368	7,883	5,855	131	129	27	19	48	42	13	30	686	788		
Grant.....	198	253	316	255	7,718	7,007	81	109	11	5	69	56	4	3	257	343		
Greene.....	160	233	197	308	5,839	6,505	217	177	10	7	6	2	8	10	521	815		
Hamilton.....	256	363	333	333	7,112	7,112	56	40	13	17	90	85	43	74	412	769		
Hancock.....	593	563	662	768	5,958	6,936	85	131	18	19	68	22	5	11	1,172	610		

Parke.....	273	299	318	242	5,707	5,889	41	157	3	4	3	22	1	148	248
Perry.....	163	189	177	176	3,323	3,330	72	67	1	2	.....	2	.....	90	245
Pike.....	111	182	98	146	3,688	3,971	80	80	2	5	.....	4	.....	13	350
Porter.....	135	196	156	562	5,579	6,967	102	63	1	5	.....	170	.....	267	37
Posay.....	94	89	75	461	3,665	3,509	115	113	10	7	164	15	241	153	102
Pulaski.....	315	648	354	406	5,974	5,618	74	56	13	13	6	9	4	7	435
Putnam.....	202	309	244	367	8,320	8,375	88	61	22	16	27	25	.....	15	585
Randolph.....	213	324	225	290	8,769	9,317	122	131	16	17	29	20	6	360	274
Ripley.....	146	178	370	191	7,394	7,247	70	80	4	14	25	15	21	81	145
Rush.....	222	265	242	358	7,499	7,944	186	153	8	22	19	8	5	208	655
St. Joseph.....	204	167	245	245	7,282	7,888	54	109	13	12	14	34	10	137	174
Scott.....	79	58	78	70	2,350	2,217	31	14	4	3	1	.....	.....	1	34
Shelby.....	184	459	388	677	8,201	8,135	136	226	17	15	110	30	6	1,014	1,044
Spencer.....	106	191	158	226	4,224	4,476	46	96	4	6	3	6	2	317	202
Starke.....	170	257	151	306	3,639	3,629	69	49	.....	1	4	7	.....	101	101
Steuben.....	47	75	97	156	4,186	4,256	84	102	3	4	4	7	.....	1	43
Sullivan.....	117	249	243	436	5,349	6,747	179	214	4	10	5	75	55	16	719
Switzerland.....	61	129	92	164	2,792	2,583	14	53	.....	7	.....	3	.....	2	810
Tippecanoe.....	156	191	166	374	7,647	7,915	147	133	16	8	38	17	2	63	256
Tipton.....	141	182	150	198	4,822	5,784	40	34	.....	6	.....	.....	.....	8	475
Union.....	37	65	54	48	2,293	2,584	19	48	2	3	10	14	.....	2	58
Vanderburgh.....	36	47	63	65	3,718	3,509	28	52	.....	.....	1	.....	3	19	383
Vermillion.....	111	104	137	208	2,329	2,497	98	11	5	4	14	30	3	11	90
Vigo.....	81	343	278	483	6,102	5,851	124	118	7	15	22	37	7	133	370
Wabash.....	203	250	206	354	7,116	7,077	83	96	14	12	41	22	22	21	103
Warren.....	207	194	247	288	5,106	4,817	65	57	12	9	27	10	1	2	391
Warrick.....	285	203	247	343	3,861	4,835	44	91	15	11	31	13	5	5	461
Washington.....	127	173	234	233	4,289	5,313	102	62	7	4	20	1	7	14	338
Wayne.....	114	141	213	239	5,633	6,124	89	125	14	13	80	12	5	12	405
Wells.....	73	87	55	154	5,573	5,823	47	40	1	8	1	21	.....	5	477
White.....	365	342	553	655	7,802	8,746	172	200	10	13	15	3	1	525	639
Whitley.....	102	136	82	201	5,466	5,554	96	39	4	10	27	15	6	403	403

TABLE VII—LIVE STOCK ON FARMS JANUARY 1—MULES—JACKS AND JENNETS

COUNTIES	FOR ALL PURPOSES—MULES										FOR BREEDING PURPOSES—JACKS AND JENNETS							
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (All Ages)		PURE BRED		Sires		Females		Sires		Females	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
State Totals.....	11,022	12,868	12,575	14,060	79,598	69,548	1,295	1,130	453	512	209	322	349	318	191	1,505		
Adams.....	22	23	35	12	161	152	12			1								
Allen.....	35	21	24	58	316	311	4		1	1								
Bartholomew.....	191	211	183	262	1,941	2,226	25	16	18	9	7	5	2	10	1	11		
Benton.....	94	213	330	253	1,135	592	21	31	2	6			1			1		
Blackford.....	31	28	32	58	195	183		1	4	3	1	2				2		
Boone.....	107	142	160	120	487	439	14	11	8	9	1	3	2	10	2	19		
Brown.....	108	95	60	91	386	392	8	1	3	3				4				
Carroll.....	101	61	58	123	582	474	1	6	3	4		6						
Cass.....	80	68	97	123	841	705	17	18	3	4			7					
Clark.....	138	146	177	210	1,198	1,178	15	10	8	3			5	4		4		
Clay.....	71	141	111	176	725	703	4	11	5	2			20	11	2	15		
Clinton.....	199	84	93	75	377	341	22	5		4			4	1	6	20		
Crawford.....	225	214	107	481	1,055	642	13		5	6	3		2	2	2	2		
Davies.....	386	416	444	491	1,892	1,811	31	31	18	18	10	6	7	3	7	11		
Dearborn.....	43	44	117	61	602	627	5	5		2				1		1		
Decatur.....	226	274	208	328	1,236	1,113	24	23	4	5	1	3		4		1		
Dekalb.....	6	4	8	5	158	99	1			1								
Delaware.....	70	50	71	44	1,077	347	21	12		1			2			11		
Dubois.....	106	159	177	239	1,318	1,279	17	36	5	3		1	1	7	1	4		
Elkhart.....	45	47	32	42	280	229	4	9	1	4	1	11	1	1	3	4		
Fayette.....	44	24	43	52	419	300	4	5	2	1				1				
Ford.....	1	8	2	4	389	343	2											
Fountain.....	107	221	95	192	813	688	16	22	11	6	5	3				214		
Franklin.....	34	62	37	87	620	517	7			1								
Fulton.....	63	41	63	44	311	223	2	4	4	4				2	10			
Gibson.....	252	263	347	334	3,060	2,224	44	26	25	13	21	27	1	10		20		
Grant.....	100	88	75	88	442	508	7	11	3	3		2	4	5	1			
Greene.....	413	427	509	501	1,946	1,752	49	38	17	7	2	4	3	13		11		
Hamilton.....	101	89	118	96	503	250	6	1	5	7	17	15	1	1				
Hancock.....	119	115	95	69	401	273	16	8		2				3		169		

Harrison.....	57	89	105	119	679	691	11	8	3	10	2	5	6	1	13	1
Hendricks.....	178	184	215	174	1,118	896	20	7	1	.....	4	.....	10	.....	2	.....
Henry.....	112	83	99	139	393	392	18	3	4	.....	6	.....	1	6	10	.....
Howard.....	61	84	46	103	338	380	9	2	2	4	.....	.....	2	.....	.....	.....
Huntington.....	65	46	80	89	366	401	9	1	5	2	.....	.....	2	4	2	.....
Jackson.....	344	238	376	306	3,429	2,612	40	26	17	32	19	8	7	.....	12	.....
Jasper.....	72	66	62	137	532	413	19	15	8	1	1	.....	.....	1	.....	4
Jay.....	97	113	119	78	288	198	2	5	5	.....	.....	.....	.....	2	.....	.....
Jefferson.....	127	104	136	265	1,032	788	10	16	10	11	.....	.....	1	.....	.....	2
Jennings.....	196	230	208	241	866	744	16	26	13	19	.....	18	.....	2	23	23
Johnson.....	129	138	210	260	954	898	12	7	2	10	2	.....	6	3	.....	4
Knox.....	348	1,788	219	393	3,995	3,304	62	52	9	5	1	.....	7	6	.....	8
Kosciusko.....	61	64	62	98	463	414	2	2	.....	2	1	.....	7	2	2	1
Lagrange.....	21	22	27	22	215	185	.....	.....	5	2	.....	.....	.....	1	4	.....
Lake.....	1	2	.....	4	19	59	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Laporte.....	12	14	10	17	227	255	1	1	3	1	.....	.....	2	7	.....	27
Lawrence.....	422	353	612	442	1,909	1,921	45	18	6	7	13	.....	1	9	3	26
Madison.....	89	87	180	100	426	304	16	4	4	5	.....	67	.....	1	.....	.....
Marion.....	42	49	41	57	683	602	4	3	1	.....	4	1	4	3	3	4
Marshall.....	28	56	58	29	218	170	5	5	.....	2	.....	.....	.....	3	8	4
Martin.....	176	201	238	203	830	921	7	12	1	6	1	1	11	3	5	3
Miami.....	97	70	69	110	524	436	3	8	.....	.....	1	.....	1	2	4	96
Monroe.....	138	172	226	146	679	566	96	2	7	16	.....	2	1	2	8	1
Montgomery.....	259	300	231	274	2,109	938	24	26	15	20	3	7	1	3	.....	3
Morgan.....	171	220	315	415	909	876	22	46	7	10	2	9	.....	12	1	287
Newton.....	145	143	116	173	1,148	418	37	15	3	5	.....	.....	2	.....	.....	7
Noble.....	37	37	84	96	320	239	11	8	3	3	.....	.....	2	2	.....	1
Ohio.....	34	23	26	21	135	123	11	3	.....	1	.....	.....	1	6	.....	.....
Orange.....	180	281	215	277	1,201	918	8	8	4	1	.....	1	5	12	4	9
Owen.....	197	176	227	116	460	400	19	16	9	6	2	7	4	4	4	11
Parke.....	180	168	277	215	1,055	865	3	27	4	5	1	.....	2	2	.....	4
Perry.....	141	138	137	176	1,106	990	9	7	.....	4	.....	5	2	4	.....	10
Pike.....	138	185	200	247	1,042	1,133	18	27	20	9	5	9	1	8	3	277
Porter.....	15	4	10	10	100	89	1	4	.....	.....	.....	4	.....	.....	2	.....
Posey.....	92	77	88	101	3,254	3,234	14	92	13	5	4	4	198	7	3	5
Pulaski.....	79	66	70	37	308	233	6	1	.....	22	.....	.....	.....	7	.....	28
Putnam.....	196	234	290	433	1,481	937	17	3	16	18	6	12	2	5	2	7
Randolph.....	47	28	52	52	453	285	3	4	3	2	1	.....	1	5	3	2
Rush.....	131	196	171	196	1,069	901	2	8	5	5	1	.....	11	9	.....	2
Rush.....	138	158	153	150	553	685	20	6	3	2	.....	.....	2	4	.....	17

TABLE VII.—LIVE STOCK ON FARMS JANUARY 1—MULES—JACKS AND JENNETS—Continued

COUNTIES	FOR ALL PURPOSES—MULES										FOR BREEDING PURPOSES—JACKS AND JENNETS									
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (All Ages)		PURE BRED		GRADE		Sires	Females	Sires	Females				
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921					1922	1921	1922	
St. Joseph.....	17	17	27	61	207	184	2	1	2	3	13	3	2	3	2	4	15			
Scott.....	204	146	161	121	643	487	2	2	5	1	2	1	2	2	2	3	3			
Shelby.....	68	79	142	116	438	318	8	25	1	5	2	.....	2	2	1	.....	.....	
Spencer.....	168	207	174	210	2,050	2,155	23	40	11	11	3	3	4	4	.....	.....	3	
Starke.....	41	2	25	16	127	149	.....	.....	4	4	1	.....	.....	1	.....	.....	.....
Steuben.....	.....	6	8	5	141	70	.....	11	.....	.....	.....	.....	.....	.....	1	.....	.....	
Sullivan.....	205	397	226	316	1,369	1,099	23	17	6	14	8	5	4	6	50	2	.....		
Switzerland.....	27	67	59	47	297	262	.....	2	1	1	.....	.....	.....	.....	2	2	.....		
Tippecanoe.....	220	68	86	135	892	704	10	12	5	3	2	1	1	1	1	1	.....		
Tipton.....	66	65	66	37	182	190	5	6	13	.....	.....	.....	.....	.....	.....	.....	.....
Union.....	16	24	42	29	351	316	7	3	.....	2	.....	.....	.....	1	.....	.....	.....
Vanderburgh.....	40	62	65	78	2,629	2,831	22	23	3	1	.....	.....	.....	3	.....	.....	3
Vermilion.....	163	85	161	176	445	235	14	.....	8	13	1	.....	.....	16	.....	15	.....		
Vigo.....	161	132	96	342	1,575	1,558	16	27	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wabash.....	56	150	58	121	472	544	5	.....	1	2	.....	.....	.....	2	.....	.....	.....
Warren.....	140	120	140	105	697	677	6	2	3	6	.....	.....	.....	1	2	.....	.....	
Warrick.....	312	254	336	302	2,539	2,471	15	27	2	14	9	2	2	3	6	4	.....		
Washington.....	234	209	298	342	1,323	1,195	18	25	5	15	27	6	3	13	.....	26	.....		
Wayne.....	56	26	37	66	397	386	13	10	3	2	.....	.....	.....	11	.....	.....	.....
Wells.....	51	59	77	62	435	275	9	4	.....	1	.....	.....	.....	2	.....	17	.....		
White.....	175	108	250	182	935	741	22	13	13	10	6	1	1	1	2	2	.....		
Whitley.....	31	37	48	44	326	322	1	.....	2	5	.....	.....	.....	.....	.....	2	.....		

TABLE VIII—LIVE STOCK ON FARMS JANUARY 1—BEEF CATTLE

COUNTIES	FOR ALL PURPOSES										FOR BREEDING PURPOSES							
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)		PURE BRED		Sires		Females		Sires		Females	
	Grade		Grade		Grade		Grade		Grade		Grade		Grade		Grade		Grade	
	1922		1921		1922		1921		1922		1922		1921		1922		1921	
	1922		1921		1922		1921		1922		1922		1921		1922		1921	
State Totals.....	73,693	83,672	105,640	240,943	215,198	210,270	3,160	4,147	3,949	3,441	12,318	11,523	3,141	4,392	49,291	55,618		
Adams.....	580	729	1,223	1,018	1,734	2,214	6	81	21	25	166	84	8	31	51	163		
Allen.....	1,521	1,220	2,330	1,951	2,219	3,850	49	64	55	43	188	199	33	19	113	83		
Bartholomew.....	664	614	589	1,054	1,930	2,301	24	47	15	19	57	63	34	33	490	664		
Benton.....	1,197	933	1,322	1,973	3,191	4,842	91	92	72	85	231	268	53	66	498	708		
Blackford.....	531	639	221	386	293	768	4	.....	17	30	99	35	5	.....	30	.....	
Boone.....	920	629	1,174	883	3,925	3,599	25	11	56	71	238	164	36	32	1,137	1,153		
Brown.....	226	352	147	399	265	299	13	8	17	8	23	75	5	44	46	53		
Carroll.....	1,203	2,226	1,623	2,854	4,275	3,761	45	118	56	132	239	299	73	82	1,582	1,263		
Cass.....	1,764	953	2,625	1,397	3,885	4,534	43	32	75	79	123	133	31	31	334	298		
Clark.....	138	224	405	633	1,463	947	16	2	5	4	15	12	7	7	145	74		
Clay.....	386	747	387	743	1,107	2,038	15	40	26	32	30	40	21	57	231	1,000		
Clinton.....	953	730	1,593	2,088	6,368	5,541	67	65	40	42	258	273	30	37	677	763		
Crawford.....	69	121	309	252	683	504	.....	1	9	6	28	12	.....	.....	17	24		
Davies.....	1,466	1,857	1,346	1,575	3,256	2,775	52	42	101	37	87	162	37	408	607	358		
Dearborn.....	122	119	254	390	787	1,521	20	14	8	14	11	26	10	35	97	41		
Deatur.....	1,000	1,243	2,775	2,013	4,149	2,490	74	85	17	15	52	34	20	23	197	222		
Decalb.....	699	814	883	1,205	1,485	2,713	22	16	50	43	176	146	17	22	192	636		
Delaware.....	607	1,026	842	1,520	3,805	3,577	12	37	28	32	282	274	33	54	801	540		
Dubois.....	838	1,333	1,011	1,346	2,062	2,441	105	109	40	24	101	73	165	131	1,130	634		
Elkhart.....	241	494	416	1,060	1,813	1,122	18	2	12	24	49	226	8	37	847	636		
Fayette.....	672	924	742	958	1,089	1,080	43	20	19	15	56	35	7	35	287	276		
Floyd.....	8	.....	4	1	277	39	.....	.....	.....	.....	.....	.....	.....	.....	20	.....	
Fountain.....	1,050	679	1,125	995	1,640	1,789	103	53	37	24	107	34	51	28	591	476		
Franklin.....	1,312	1,158	1,118	1,613	1,717	54	91	2	2	12	18	44	9	9	513	225		
Fulton.....	1,312	1,123	1,451	1,580	3,232	3,978	40	145	12	13	157	58	35	41	841	790		
Gibson.....	1,208	664	1,232	1,173	4,247	3,399	73	81	64	63	421	292	92	100	2,009	2,076		
Grant.....	931	1,264	820	1,182	1,768	2,180	22	54	52	33	229	155	23	58	308	596		
Greene.....	1,310	1,547	944	1,262	2,990	3,372	60	63	52	41	85	53	67	94	1,405	423		
Hamilton.....	1,342	1,320	2,411	906	1,564	1,726	17	16	50	98	201	176	69	73	666	304		
Hancock.....	1,017	1,075	1,361	1,678	2,370	2,393	92	65	58	78	452	395	60	54	1,007	784		

TABLE VIII—LIVE STOCK ON FARMS JANUARY 1—BEEF CATTLE—Continued

COUNTIES	FOR ALL PURPOSES						FOR BREEDING PURPOSES												
	Under 1 Year Old			1 Year Old and Under 2			2 Years Old and Over		Died from Disease (all ages)		PURE BRED				GRADE				
	1922		1921	1922		1921	1922		1921	1922		Sires		Females		Sires		Females	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	
Harrison.....	105	127	129	114	366	228	15	10	7	5	.....	11	30	19	108	159		
Hendricks.....	710	617	1,799	1,307	2,496	3,682	30	30	3	23	23	42	27	60	275	424			
Henry.....	676	674	1,317	1,564	1,830	2,311	40	56	56	33	197	207	23	109	460	605			
Howard.....	597	1,461	815	1,345	2,066	2,022	17	29	37	44	101	110	26	49	682	975			
Huntington.....	1,276	1,969	2,539	3,178	5,502	6,187	20	143	114	160	246	404	58	155	1,064	3,537			
Jackson.....	608	698	841	1,080	2,390	1,331	43	46	39	26	89	138	33	15	364	116			
Jasper.....	920	1,455	2,572	2,201	4,083	6,004	111	72	48	76	120	334	41	48	978	1,156			
Jay.....	887	759	1,131	1,049	1,026	1,682	4	20	49	38	88	92	26	40	452	448			
Jefferson.....	337	346	972	907	1,064	1,072	22	41	28	30	103	83	36	25	161	186			
Jennings.....	479	703	465	655	1,258	2,886	19	21	23	41	61	40	41	22	335	752			
Johnson.....	590	464	959	829	4,456	4,311	12	30	20	25	54	76	13	39	300	327			
Knox.....	393	920	527	680	3,362	2,871	27	50	62	12	102	56	29	20	671	457			
Kosovsko.....	1,739	2,023	2,228	2,440	3,456	3,662	17	7	61	67	310	195	50	36	1,286	1,437			
Lagrange.....	1,084	707	1,279	2,923	1,649	2,617	26	17	37	58	151	167	30	54	271	1,218			
Lake.....	356	310	688	630	2,470	2,021	20	30	24	27	254	156	6	25	221	243			
Laporte.....	491	468	700	797	2,135	1,552	11	33	21	19	4	42	19	44	396	413			
Lawrence.....	1,646	1,732	1,633	1,199	4,913	3,940	55	49	5	27	3	87	13	27	169	291			
Madison.....	1,495	1,470	1,427	1,482	3,624	2,774	103	41	37	50	153	107	112	56	1,266	2,055			
Marion.....	274	261	537	275	1,543	2,450	18	10	18	18	136	124	21	29	96	236			
Marshall.....	1,475	1,618	1,811	2,568	3,790	2,145	58	17	58	59	183	115	83	58	1,653	1,147			
Martin.....	1,581	1,636	1,176	1,928	1,479	1,795	67	82	32	24	96	70	29	253	558	635			
Miami.....	1,900	1,615	2,597	2,188	1,876	1,918	40	55	55	48	47	164	30	9	833	645			
Monroe.....	699	621	658	778	1,404	1,039	27	28	42	17	66	99	6	26	114	222			
Montgomery.....	2,007	321	1,364	329	3,360	8,632	58	99	43	33	226	135	16	38	402	736			
Morgan.....	1,235	219	1,306	287	2,068	5,479	41	115	17	23	125	219	36	49	680	787			
Newton.....	969	874	1,123	2,237	13,369	4,162	55	367	49	103	226	453	34	67	1,052	1,044			
Noble.....	1,924	1,914	2,431	2,093	3,693	3,661	53	68	81	71	225	175	50	49	1,348	1,881			
Ohio.....	91	6	46	71	238	70	5	6	6	2	21	.....	.....	4	4	5		
Orange.....	535	839	729	1,388	915	19	13	19	20	28	73	83	29	57	266	57			
Owen.....	1,168	1,169	767	1,023	1,294	991	17	27	41	24	60	42	31	29	411	550			

Parke.....	803	854	1,101	1,042	2,533	2,197	4	31	44	40	184	77	24	23	467	298
Perry.....	1,081	1,243	1,149	1,104	1,171	835	59	104	15	9	7	11	8	10	46	21
Pike.....	740	866	1,043	1,582	1,509	1,961	21	81	24	33	153	41	28	26	346	986
Porter.....	190	231	457	534	1,043	1,310	17	11	13	13	55	73	5	13	8	93
Posey.....	138	124	415	545	1,643	1,309	78	98	14	15	113	42	249	51	335	969
Pulaski.....	1,854	2,671	1,765	2,312	3,573	4,085	44	37	116	130	432	238	74	73	1,804	1,134
Putnam.....	1,322	1,451	2,013	1,617	3,077	4,325	22	24	24	24	118	103	25	51	548	1,610
Randolph.....	685	881	755	1,016	2,409	2,000	67	24	28	49	159	155	26	58	395	1,210
Ripley.....	780	704	858	953	1,654	1,980	12	23	37	20	116	65	72	35	384	1,526
Rush.....	474	743	2,783	1,458	1,950	2,443	102	55	18	23	65	70	12	230	143	371
St. Joseph.....	97	307	287	536	1,134	2,601	19	30	17	12	59	108	9	21	63	169
Scott.....	47	48	172	111	199	258	4	.....	6	8	6	62	3	1	16	4
Shelby.....	487	704	463	759	2,070	1,721	18	51	44	64	208	67	17	36	360	686
Spencer.....	129	356	241	515	1,110	618	38	56	44	35	94	47	19	.....	223	158
Starke.....	42	20	78	113	846	614	1	2	34	15	107	101	3	.....	20	127
Steuben.....	347	585	3,964	1,035	1,666	2,461	17	8	33	50	52	153	73	54	172	407
Sullivan.....	591	1,272	537	973	2,133	2,342	42	54	740	94	430	442	24	110	335	390
Switzerland.....	86	336	886	662	1,076	340	11	26	11	11	2	17	17	15	268	673
Tippecanoe.....	789	756	1,349	694	2,979	304	43	63	58	45	402	345	20	18	522	242
Tipton.....	1,116	1,104	2,369	1,558	805	1,446	24	28	29	17	112	120	30	18	179	89
Union.....	297	330	411	456	667	1,285	17	19	19	9	83	84	13	16	158	242
Vanderburgh.....	14	5	32	66	87	226	.....	3	1	1	13	13	3	2	12	29
Vermillion.....	1,531	170	1,800	940	2,820	1,970	24	6	15	10	182	84	14	20	243	396
Vigo.....	332	417	509	558	2,373	1,302	17	27	20	37	10	.....	.....	28	.....	15
Wabash.....	771	1,081	1,845	1,727	5,428	3,985	17	30	13	59	124	195	28	100	353	787
Warren.....	770	746	1,398	1,485	1,920	1,801	14	10	82	83	400	366	30	30	1,023	1,017
Warrick.....	310	352	299	458	823	1,240	19	23	28	12	54	42	42	11	138	88
Washington.....	548	553	475	559	1,621	2,183	11	55	35	25	89	71	55	57	902	944
Wayne.....	1,115	1,109	1,793	1,574	1,933	2,313	66	101	27	16	111	56	79	59	967	837
Wells.....	535	709	819	2,691	2,079	30	30	9	27	29	45	49	43	16	1,471	543
White.....	1,525	2,015	2,919	3,642	3,767	5,470	34	72	59	28	365	101	17	23	1,742	1,444
Whitley.....	1,027	1,340	1,329	1,599	2,109	2,212	13	31	79	74	246	235	26	36	917	917

TABLE IX—LIVE STOCK ON FARMS JANUARY 1—DAIRY CATTLE

COUNTIES	FOR ALL PURPOSES										FOR BREEDING PURPOSES					
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)		PURE BRED		Sires		Females		Sires	
	GRADE		GRADE		GRADE		GRADE		GRADE		GRADE		GRADE		GRADE	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
State Totals.....	55,510	67,843	60,078	69,316	582,831	587,154	6,448	7,141	3,227	3,418	16,075	15,814	6,248	7,546	281,691	285,432
Adams.....	706	842	1,137	1,373	7,897	6,866	48	103	28	37	178	335	142	99	3,600	2,763
Allen.....	1,121	1,117	1,318	1,663	2,102	13,051	149	67	13	16	107	102	80	92	2,227	3,616
Bartholomew.....	373	381	980	1,356	5,376	5,881	48	96	28	28	109	92	40	45	3,043	3,160
Benton.....	287	191	217	380	3,397	3,850	44	83	21	1	197	52	17	2	1,035	1,757
Blackford.....	361	437	201	340	3,519	3,729	27	24	25	15	121	87	12	.....	1,592	2,201
Boone.....	1,132	837	1,292	809	8,549	10,830	80	64	80	42	309	199	58	83	3,577	2,733
Brown.....	361	387	304	319	2,435	2,855	29	32	21	7	122	201	31	57	1,383	1,871
Carroll.....	388	432	565	369	6,201	5,392	42	54	18	17	113	75	25	33	4,027	2,617
Cass.....	677	876	901	677	7,660	6,818	62	60	44	30	676	193	44	46	3,040	2,672
Clark.....	619	556	794	593	7,091	7,015	70	53	46	32	243	206	90	150	2,640	2,743
Clay.....	92	689	105	804	5,186	5,467	69	118	23	13	79	40	26	58	3,525	3,509
Clinton.....	621	791	473	763	6,989	7,679	120	75	21	42	165	472	111	54	4,458	4,809
Crawford.....	299	632	545	782	4,986	4,769	29	33	22	21	64	63	.....	4	1,235	1,053
Davies.....	342	854	352	627	5,127	6,136	54	78	21	16	50	70	33	72	2,349	2,331
Dearborn.....	1,036	1,421	1,354	2,327	8,483	7,042	124	145	36	40	191	176	60	66	2,230	2,721
Decatur.....	88	315	119	1,275	5,558	4,648	65	69	7	11	9	33	78	45	3,992	4,029
DeKalb.....	1,055	934	1,094	933	7,719	7,808	44	44	20	32	97	130	21	43	2,073	2,306
Delaware.....	858	1,305	1,027	907	9,581	9,506	94	174	27	27	236	245	167	92	4,190	5,946
Dubuois.....	793	844	936	1,100	5,166	5,213	117	166	57	41	264	108	178	155	2,815	2,815
Elkhart.....	1,503	1,548	1,509	1,515	12,948	11,708	135	89	162	109	66	832	172	114	6,498	5,006
Fayette.....	370	108	156	149	2,658	2,966	35	41	12	10	71	36	11	24	89	1,559
Floyd.....	229	420	513	430	3,847	3,502	16	9	18	8	27	26	55	51	2,136	1,969
Fountain.....	368	487	549	451	5,534	4,354	67	98	22	20	89	43	52	73	3,010	3,632
Franklin.....	578	331	900	880	8,482	7,119	117	162	11	16	38	162	20	67	1,491	2,008
Fulton.....	617	803	536	776	7,623	7,492	144	97	15	11	134	45	133	66	4,859	2,886
Gibson.....	846	341	1,061	837	5,327	4,726	83	59	36	38	244	130	104	89	4,182	3,599
Grant.....	790	1,005	458	781	8,737	7,988	73	78	47	65	418	306	17	109	4,325	5,030
Greene.....	399	776	358	610	7,110	7,132	87	174	18	31	102	73	33	58	3,751	4,741
Hamilton.....	226	352	789	824	10,883	10,930	75	1	24	578	223	104	82	89	3,351	4,870
Hancock.....	640	831	768	735	5,394	5,391	75	144	48	28	300	380	71	68	3,222	4,334

Harrison.....	1,774	2,269	1,679	1,846	8,458	8,066	132	119	86	71	251	212	184	144	5,261	5,098
Hendricks.....	684	627	389	531	8,052	7,274	112	118	20	23	289	98	147	489	3,478	3,216
Henry.....	590	664	389	1,182	8,318	6,335	122	25	21	158	175	63	58	58	4,076	4,169
Howard.....	377	944	347	664	5,583	5,508	63	37	24	29	106	33	35	78	4,303	4,166
Huntington.....	420	836	401	750	6,927	7,194	14	65	44	50	271	459	27	52	2,475	2,977
Jackson.....	570	1,021	593	938	6,679	5,916	115	49	22	37	174	278	173	51	3,073	2,191
Jasper.....	322	889	640	920	7,285	5,077	81	73	7	36	65	221	64	112	7,659	2,817
Jay.....	641	837	523	553	6,558	6,675	55	63	43	50	154	164	25	45	3,910	4,507
Jefferson.....	615	834	1,082	906	7,189	7,101	57	75	30	23	80	82	81	66	3,491	2,015
Jennings.....	565	646	406	710	5,766	5,439	53	33	24	15	101	23	36	36	2,788	2,307
Johnson.....	203	125	290	264	7,508	6,797	51	49	21	40	333	105	37	37	2,358	2,484
Knox.....	206	269	178	178	7,563	6,196	59	88	7	28	187	204	102	32	3,034	2,605
Kosciusko.....	909	762	815	758	10,509	10,144	6	25	39	25	69	206	76	30	5,643	5,237
Lagrange.....	857	1,400	883	1,183	7,695	7,434	43	35	85	42	237	153	61	115	3,901	3,934
Lake.....	945	1,019	1,354	1,216	7,954	8,241	219	82	89	62	475	388	435	299	6,375	18,784
Laporte.....	945	1,859	1,578	2,437	8,996	10,623	157	131	77	94	198	234	96	157	3,646	7,657
Lawrence.....	325	477	372	228	4,995	4,111	25	75	11	13	21	41	20	13	726	692
Madison.....	592	919	628	779	9,058	7,514	129	93	30	31	290	643	115	99	11,459	3,375
Marion.....	438	499	249	509	8,514	8,677	109	117	6	42	207	348	49	77	2,607	1,855
Marshall.....	1,308	2,220	1,229	1,799	9,226	9,738	124	123	70	57	302	179	150	136	4,485	5,856
Martin.....	378	348	669	324	3,007	2,458	22	26	11	7	94	76	8	7	602	1,322
Miami.....	1,252	707	582	509	7,164	7,916	51	52	30	32	161	147	35	33	3,015	3,727
Monroe.....	494	574	573	1,261	4,683	4,318	63	66	19	16	42	143	19	26	801	1,511
Montgomery.....	609	571	577	622	8,019	6,640	48	35	36	45	217	187	32	56	1,826	2,121
Morgan.....	223	672	651	438	4,924	5,836	80	79	25	32	162	339	26	46	2,478	3,090
Newton.....	553	553	543	385	3,312	3,692	53	39	78	17	200	88	51	71	1,554	1,274
Noble.....	948	943	932	770	7,403	7,396	46	88	35	31	132	167	65	919	5,317	3,930
Ohio.....	317	349	177	192	2,242	1,823	17	10	6	3	59	49	6	6	.....	432
Orange.....	876	1,693	895	703	7,308	6,788	49	53	26	43	121	85	64	89	2,872	5,411
Owen.....	469	570	618	462	4,288	3,801	34	263	25	5	91	13	27	14	1,312	1,523
Parke.....	180	362	225	252	4,903	5,121	5	83	8	18	20	68	33	45	1,972	1,825
Perry.....	445	277	466	394	4,227	4,260	88	109	8	15	20	17	17	23	662	975
Pike.....	193	349	493	335	3,963	3,364	44	65	28	5	42	13	24	22	1,742	2,131
Porter.....	2,194	1,092	1,746	1,578	10,135	11,066	109	89	147	124	663	396	131	111	3,298	1,822
Posey.....	123	192	48	47	3,672	4,079	62	115	73	13	97	62	224	50	2,349	1,877
Pulaski.....	903	1,372	711	986	5,604	5,270	60	29	28	36	177	300	74	36	3,478	2,580
Putnam.....	134	229	228	310	6,852	9,311	27	40	24	28	219	128	18	363	2,628	1,541
Randolph.....	392	768	301	594	8,676	8,810	125	101	36	31	108	133	55	111	5,820	6,157
Ripley.....	1,797	2,162	2,104	1,838	12,635	10,509	87	57	87	36	151	150	97	71	5,048	4,935
Rush.....	194	451	716	442	4,411	5,623	126	102	14	7	62	55	58	76	3,050	3,235

TABLE IX—LIVE STOCK ON FARMS JANUARY 1—DAIRY CATTLE—Continued

COUNTIES	FOR ALL PURPOSES										FOR BREEDING PURPOSES					
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)				PURE BRED			GRADE		
											Sires		Females	Sires		Females
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921		1922	1921	1921
St. Joseph.....	759	2,386	1,057	1,163	10,197	7,559	68	90	58	96	310	624	48	3,398	71	3,304
Scott.....	312	441	361	431	3,533	2,915	11	37	10	6	18	22	13	595	3	3,73
Shelby.....	989	899	684	872	7,776	8,101	119	237	56	35	608	417	75	5,049	46	3,837
Spencer.....	470	859	440	650	5,486	5,663	63	75	52	35	181	149	88	2,873	95	2,281
Starke.....	598	312	545	568	7,178	5,937	44	55	31	27	116	132	75	3,947	33	2,646
Steuben.....	323	287	554	266	6,239	7,302	63	83	84	34	196	179	38	3,524	69	2,842
Sullivan.....	325	466	291	1,234	5,811	6,197	97	108	28	32	95	159	34	1,909	42	1,850
Switzerland.....	592	670	414	270	4,203	4,738	44	120	12	6	20	36	18	3,850	30	1,940
Tippecanoe.....	558	457	545	444	6,543	6,707	97	94	50	22	106	36	63	3,054	82	3,170
Tipton.....	239	113	204	104	4,388	5,246	46	24	10	8	144	216	15	967	7	820
Union.....	212	147	254	228	2,548	2,634	21	23	25	22	117	109	38	1,759	26	1,755
Vanderburgh.....	618	384	352	668	6,010	5,846	65	108	43	57	187	153	186	3,405	184	1,301
Vermillion.....	229	130	90	241	2,589	36	11	6	12	73	78	25	35	993	35	752
Vigo.....	147	87	121	324	7,390	6,307	67	91	33	21	72	40	28	37	33	832
Wabash.....	353	704	333	610	.....	7,984	27	60	41	27	189	207	24	1,786	32	1,784
Warren.....	456	503	624	671	2,848	3,279	12	41	20	21	222	81	25	1,851	21	1,485
Warrick.....	1,032	850	670	1,079	5,424	5,274	38	89	61	51	139	114	72	2,537	54	2,413
Washington.....	1,355	1,930	1,331	1,227	7,210	7,424	96	42	36	34	275	168	116	5,953	112	4,969
Wayne.....	656	482	647	1,205	6,225	6,158	114	142	16	11	246	35	119	4,194	85	3,842
Wells.....	371	182	506	610	6,443	6,882	85	15	15	27	125	83	25	3,404	21	3,236
White.....	388	378	702	716	3,872	4,748	37	57	20	74	53	712	23	1,460	43	2,454
Whitley.....	783	883	687	707	6,987	6,460	54	45	45	39	235	180	38	6,186	56	4,999

TABLE X—LIVE STOCK ON FARMS JANUARY 1—SHEEP

COUNTIES	FOR ALL PURPOSES						FOR BREEDING PURPOSES									
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)		PURE BRED				GRADE			
									Sires		Females		Sires		Females	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
State Totals.....	26,724	39,325	33,346	49,361	344,168	364,629	10,896	12,672	2,139	2,061	13,882	9,989	6,855	6,317	172,796	192,048
Adams.....	80	730	344	724	4,457	4,554	107	191	2	10	74	112	109	95	3,119	2,481
Allen.....	94	867	563	963	9,159	10,002	213	127	37	22	51	46	102	110	3,086	3,660
Batholomew.....	137	179	148	395	2,646	2,584	65	100	8	10	6	9	61	85	1,726	1,711
Benton.....	75	1,613	521	209	1,292	2,149	62	184	15	28	11	61	.....	49	247	564
Blackford.....	39	210	52	143	3,527	4,077	31	66	18	15	47	31	25	53	2,409	1,894
Boone.....	249	201	192	289	8,130	9,330	155	240	31	55	112	203	134	63	2,915	3,659
Brown.....	35	77	121	144	965	924	38	31	4	9	13	108	27	33	3,598	985
Carroll.....	613	638	253	389	2,532	2,461	103	132	20	6	169	8	54	46	3,203	1,608
Cass.....	318	523	319	645	6,591	6,096	62	113	5	23	441	86	269	254	3,412	3,323
Clark.....	55	31	217	19	3,062	2,689	61	74	6	1	26	39	54	64	1,467	1,615
Clay.....	39	60	115	618	1,691	1,403	93	81	5	1	.....	37	27	32	1,440	1,157
Clinch.....	46	124	490	519	3,402	2,929	147	307	12	8	190	65	431	65	2,004	2,355
Crawford.....	34	51	483	367	1,318	1,324	3	35	1	2	.....	.....	.....	241	329	339
Davies.....	196	317	340	534	2,831	2,178	80	119	12	16	26	11	45	59	1,455	1,430
Dearborn.....	110	92	175	219	1,014	924	79	84	2	7	13	14	24	16	644	609
Decatur.....	28	106	344	175	2,136	3,533	94	150	8	4	29	9	56	69	1,620	1,571
Delab.....	267	419	1,823	1,004	7,638	11,658	392	502	59	91	409	309	36	93	2,018	4,236
Delaware.....	151	787	235	1,305	7,319	8,179	159	233	25	29	186	200	126	137	3,389	5,105
Dubois.....	85	187	229	250	1,145	1,033	54	134	8	14	105	18	43	29	283	478
Elkhart.....	437	275	446	1,428	6,050	4,279	146	187	57	20	160	305	183	92	3,580	3,677
Fayette.....	264	58	258	310	2,082	2,119	171	129	11	6	38	51	50	54	1,468	1,768
Floyd.....	.....	.....	2	16	338	253	.....	.....	.....	.....	.....	.....	.....	.....	1,138	.....
Fountain.....	522	741	717	232	5,501	5,702	413	169	31	34	275	97	85	95	3,219	4,141
Franklin.....	33	162	132	685	3,672	3,412	119	211	.....	2	54	182	41	51	1,234	1,491
Fulton.....	145	127	189	229	6,204	7,809	244	318	6	18	184	250	154	54	3,931	2,952
Gibson.....	1,858	57	428	153	2,778	2,251	65	94	204	33	1,206	81	85	75	1,457	1,569
Grant.....	191	322	469	468	7,256	7,687	165	285	17	36	332	623	125	106	42	5,239
Greene.....	365	224	336	258	4,100	5,199	222	236	12	37	40	18	62	81	2,447	3,502
Hamilton.....	482	95	428	754	4,177	4,887	81	38	5	16	24	.....	58	30	964	2,453
Hancock.....	552	1,093	956	2,120	3,677	3,342	315	272	281	28	180	278	116	91	3,160	3,429

TABLE X—LIVE STOCK ON FARMS JANUARY 1—SHEEP—Continued

COUNTIES	FOR ALL PURPOSES										FOR BREEDING PURPOSES					
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)				PURE BRED			GRADE		
											Sires		Females		Sires	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
Harrison.....	372	292	208	500	2,158	2,463	69	153	6	5	101	56	15	678	91	1,510
Hendricks.....	363	359	514	762	5,706	6,236	200	109	11	13	151	115	74	3,102	354	1,958
Henry.....	29	51	114	1,394	4,612	5,723	85	152	26	9	123	136	97	1,901	129	3,373
Howard.....	73	102	252	788	2,291	2,568	59	111	12	20	47	96	63	87	1,966	2,361
Huntington.....	117	91	577	650	3,912	6,331	65	220	38	50	241	350	49	2,009	72	2,844
Jackson.....	148	28	104	128	1,824	1,228	118	37	.....	1	.....	.....	.....	.....	20	440
Jasper.....	46	233	308	202	1,345	1,648	94	50	8	13	85	113	15	22	597	791
Jay.....	293	276	594	312	6,502	7,457	103	158	89	29	701	211	142	204	3,738	4,782
Jefferson.....	6	50	202	174	3,364	3,486	51	33	1	4	4	.....	24	24	2,765	663
Jennings.....	199	157	305	475	1,688	2,030	111	55	16	8	143	285	21	51	1,069	882
Johnson.....	55	31	284	706	2,702	2,509	90	58	22	6	106	1	34	86	1,487	1,260
Knox.....	.....	10	59	324	1,512	1,891	24	36	6	2	102	98	20	45	880	673
Kosciusko.....	250	540	475	786	9,800	11,359	39	44	35	39	114	97	61	112	4,437	5,297
Lagrange.....	5,527	9,958	345	1,706	11,223	12,554	219	223	17	47	265	171	289	162	7,596	6,834
Lake.....	48	83	24	107	519	401	21	4	5	2	.....	12	1	13	243	300
Laporte.....	139	122	387	502	2,520	4,050	77	94	19	11	93	26	13	40	1,100	1,491
Lawrence.....	533	391	719	973	3,134	4,613	95	128	4	6	25	27	32	36	510	734
Madison.....	103	308	332	1,006	3,793	2,788	126	115	30	17	283	335	98	41	2,297	1,438
Marion.....	75	166	171	131	2,185	2,272	54	84	3	4	7	106	17	18	211	704
Marshall.....	554	807	500	727	6,910	8,623	261	245	45	94	171	207	766	126	4,187	6,411
Martin.....	151	105	186	130	2,148	2,365	47	68	16	21	54	20	20	32	664	738
Miami.....	497	202	492	788	3,263	3,253	93	94	19	40	44	93	54	54	1,831	2,681
Monroe.....	316	283	303	350	2,287	2,320	146	87	1	2	.....	.....	74	55	1,701	1,922
Montgomery.....	623	896	1,457	1,137	10,782	9,613	672	320	43	66	720	867	95	89	2,330	2,381
Morgan.....	137	447	319	752	3,601	3,733	164	179	10	20	147	39	77	109	1,926	2,463
Newton.....	18	114	21	97	1,349	1,279	18	13	2	6	260	31	8	12	349	640
Noble.....	312	2,917	630	1,499	11,540	9,698	279	308	44	37	193	196	99	135	8,141	8,356
Ohio.....	4	99	.....	72	458	994	.....	43	.....	.....	.....	.....	.....	.....	.....	36
Orange.....	140	77	195	267	2,078	1,610	46	53	1	17	.....	21	25	27	1,077	1,010
Owen.....	352	463	811	949	4,760	5,296	231	476	38	17	81	50	100	75	3,058	2,636

Parke.....	227	391	956	460	5,701	6,519	233	74	32	5	137	39	89	41	2,184	1,350
Perry.....	22	45	163	111	1,040	1,040	27	86	6	2	.....	1	7	21	263	178
Pike.....	104	157	454	131	1,961	2,274	88	143	16	3	68	29	26	73	782	1,208
Porter.....	35	122	212	227	1,487	2,276	68	147	3	5	74	63	13	17	669	587
Posey.....	68	55	34	84	1,592	1,448	64	91	33	8	26	.....	310	26	1,180	604
Pulaski.....	489	902	543	1,037	3,876	2,982	54	42	4	3	12	45	47	127	1,487	1,890
Putnam.....	83	742	773	1,024	7,737	7,480	200	302	35	37	159	151	35	196	2,757	4,030
Randolph.....	427	149	188	285	5,340	6,177	172	218	20	16	108	170	103	167	3,693	3,497
Ripley.....	247	143	361	271	1,666	2,160	.....	16	4	19	7	170	34	24	1,017	1,106
Rush.....	283	546	509	1,071	3,222	4,342	302	268	16	15	110	162	102	113	3,020	3,391
St. Joseph.....	280	706	824	1,080	3,008	2,784	83	84	10	15	92	88	21	53	1,373	1,882
Scott.....	36	48	89	129	695	683	40	20	2	.....	11	.....	.....	.....	217	.....
Shelby.....	166	186	322	895	2,159	2,311	105	171	14	39	172	241	95	93	1,798	2,243
Spencer.....	4	19	147	52	567	683	30	72	3	2	10	9	15	18	265	456
Starke.....	.....	202	82	97	824	839	43	9	.....	5	.....	104	1	22	382	617
Steuben.....	1,565	159	441	1,610	16,009	17,132	385	388	53	53	537	152	130	122	9,166	7,382
Sullivan.....	471	362	370	653	5,712	7,345	214	506	2	45	30	110	57	125	2,736	3,391
Switzerland.....	12	115	31	87	1,276	1,845	72	170	.....	14	.....	.....	.....	8	309	508
Tipecanoe.....	735	1,674	308	349	3,707	4,502	149	87	44	26	329	182	34	38	1,487	1,741
Tippecanoe.....	41	1,048	153	532	1,776	2,032	44	63	51	3	101	203	26	29	562	755
Union.....	41	91	89	199	1,997	2,356	39	75	10	7	132	21	37	37	1,348	1,468
Vanderburgh.....	1	.....	63	35	340	282	14	3	.....	.....	.....	4	24	21	197	260
Vermillion.....	308	219	91	332	1,808	1,867	56	24	21	.....	186	83	52	25	656	565
Vigo.....	320	96	506	75	2,566	2,478	30	298	75	84	54	16	3	6	80	67
Wabash.....	8	26	88	376	4,524	4,156	133	112	2	27	154	157	29	39	684	1,095
Warren.....	912	399	804	3,233	3,177	3,015	82	78	45	46	467	400	42	36	2,547	1,676
Warwick.....	52	57	181	112	686	1,015	34	92	.....	5	.....	9	23	15	281	416
Washington.....	145	140	347	314	3,028	3,438	75	88	9	6	50	40	83	110	2,302	2,332
Wayne.....	250	162	1,090	1,538	3,263	3,068	136	162	10	7	177	20	152	110	2,700	2,464
Wells.....	69	42	90	510	6,875	4,594	220	147	114	93	1,648	201	66	107	1,978	2,630
White.....	137	129	133	174	2,473	2,633	57	144	15	250	165	147	22	17	1,109	2,055
Whitley.....	162	169	210	469	6,135	4,483	51	50	21	23	204	63	107	972	3,486	3,806

	5,270	8,151	3,444	3,696	34	.....	82	55	278	142	57	41	1,117	1,312
Harrison.....	28,971	27,224	15,026	15,068	3,927	1,119	162	166	1,486	1,112	142	831	5,209	4,754
Hendricks.....	36,310	48,259	21,592	27,869	1,502	3,949	66	149	372	372	372	356	5,496	7,107
Henry.....	39,938	39,373	14,374	13,957	1,223	808	259	281	1,068	848	147	187	7,500	6,338
Howard.....	26,213	27,977	13,080	12,064	63	777	130	203	860	1,352	138	420	3,719	4,730
Huntington.....	12,989	9,730	6,754	6,427	148	307	39	60	265	380	104	85	1,359	853
Jackson.....	10,300	12,843	9,330	9,825	538	295	57	139	340	775	120	59	1,937	6,510
Jasper.....	16,629	16,555	7,194	6,426	167	307	129	136	938	552	268	110	3,649	3,304
Jay.....	3,831	4,145	1,929	2,641	74	39	34	23	50	22	62	48	939	633
Jefferson.....	7,538	7,789	3,263	4,486	144	111	55	54	313	245	29	70	955	1,383
Jennings.....	20,617	19,674	11,344	10,531	1,396	1,335	39	55	379	922	110	143	3,657	2,864
Johnson.....	18,009	18,195	10,310	10,749	1,274	290	84	72	494	436	255	208	4,097	3,305
Knox.....	22,757	24,557	9,199	9,302	685	200	110	129	520	529	124	86	3,904	3,313
Kosciusko.....	17,462	17,435	7,130	6,105	99	128	149	69	516	170	148	125	3,982	2,539
Lagrange.....	3,244	4,084	4,191	4,665	6	54	19	12	129	50	38	61	1,696	1,297
Lake.....	5,620	8,004	5,086	5,992	187	203	71	70	183	343	37	119	1,595	2,794
Laporte.....	24,458	30,362	17,430	17,398	1,789	2,111	33	56	139	62	16	33	314	553
Lawrence.....	11,818	19,416	7,751	10,696	757	754	39	61	201	373	117	72	6,449	4,645
Madison.....	18,651	20,782	8,374	7,858	1,697	246	152	153	738	484	129	185	1,637	1,846
Marion.....	4,886	5,405	2,490	2,797	39	.....	69	62	320	253	16	28	540	1,695
Martin.....	19,942	21,560	9,673	9,961	511	402	91	119	328	296	124	157	4,459	4,220
Miami.....	4,926	5,140	2,398	3,865	1,517	16	51	44	370	164	53	69	458	610
Monroe.....	35,649	37,201	17,526	19,461	1,903	1,222	196	229	1,128	1,128	167	183	3,914	5,450
Montgomery.....	12,557	15,991	8,792	8,009	1,113	900	175	151	1,099	546	236	179	3,075	3,174
Morgan.....	9,754	7,745	7,745	9,844	17	168	31	63	257	461	134	169	2,985	2,634
Newton.....	17,705	16,328	8,130	7,798	522	257	175	172	1,189	1,439	93	120	599	3,202
Noble.....	792	624	.....	443	.....	.....	1	4	4	10	8	5	171	178
Ohio.....	6,919	7,691	3,270	3,010	93	46	40	43	194	286	53	54	2,024	1,758
Orange.....	7,645	6,328	3,662	3,378	202	1,298	76	40	278	139	60	31	1,385	1,107
Owen.....	17,884	18,021	8,191	8,813	267	12	60	68	409	201	136	77	2,217	1,448
Parke.....	5,188	4,281	1,867	2,191	16	60	34	18	89	138	5	10	261	261
Perry.....	10,411	8,396	5,814	5,814	173	1,175	78	51	237	170	58	55	1,230	1,435
Pike.....	5,294	5,594	4,452	4,368	150	157	65	30	358	265	27	49	724	546
Porter.....	12,444	15,866	5,689	8,158	658	1,954	99	165	833	674	151	122	2,534	1,822
Posey.....	11,539	12,196	7,568	5,701	109	201	109	132	835	527	110	91	2,118	1,638
Pulaski.....	17,267	30,150	11,191	9,886	828	404	81	95	479	333	91	198	2,947	2,253
Putnam.....	35,449	37,946	15,335	13,939	1,787	2,604	144	222	843	1,183	406	439	9,694	6,744
Randolph.....	6,311	6,883	5,355	7,190	1	15	56	42	169	119	40	56	619	1,147
Ripley.....	41,510	42,334	19,777	24,354	5,202	3,969	365	239	2,472	1,355	498	522	9,782	9,474

TABLE XII. LIVE STOCK ON FARMS, JANUARY 1—GOATS

COUNTIES	FOR ALL PURPOSES							
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)	
	1922	1921	1922	1921	1922	1921	1922	1921
State Totals.....	160	293	615	305	3,003	1,805	162	370
Adams.....				3		12		2
Allen.....	6				2			
Bartholomew.....			4	1	33	4		
Benton.....	2		1		21	7		
Blackford.....					4			
Boone.....		2		2	3	31		2
Brown.....			5		8	237	3	69
Carroll.....					3	5		
Cass.....					35	29		
Clark.....	15		7		25	34		
Clay.....								
Clinton.....	1				2	6		152
Crawford.....					1	1		
Daviess.....		3		13	30	20		4
Dearborn.....								
Decatur.....					86	22	2	
Dekalb.....	26		16		596	5	36	
Delaware.....					25	14	1	
Dubois.....		1		3	14	4		5
Elkhart.....				2		1		
Fayette.....				5	79	35	8	
Floyd.....		2		2		9		
Fountain.....					50	2	7	
Franklin.....					17	13		
Fulton.....					1	21		
Gibson.....		8	3	8	33	10		4
Grant.....					134	8		
Greene.....		8	1	3	12	8	10	
Hamilton.....					25	31		
Hancock.....	1	1	8	18	32	19		
Harrison.....	4			5	9	7	11	
Hendricks.....			1			44		
Henry.....					1	22		
Howard.....	5	2	9	9	20	17		
Huntington.....		1		4	13	18		
Jackson.....					35	19		
Jasper.....					4	18		
Jay.....	5	35	8	13	4	18		
Jefferson.....	16	12	85	42	18	28	1	
Jennings.....		2	23		73	24	9	
					133	98	30	1
Johnson.....	2		1		6	33		
Knox.....	1				7	12		6
Kosciusko.....					15			
Lagrange.....					35	49		
Lake.....						5		
Laporte.....	2			2	25	19		
Lawrence.....		15			152	9		
Madison.....	4		30	18	73	46		
Marion.....	3			1	31	42	3	
Marshall.....					4		35	
Martin.....		9		3	44	28		1
Miami.....	2	1	2		141	225		
Monroe.....	4				14	12		
Montgomery.....					11	17		
Morgan.....	19		30	7	7	33		

TABLE XII. LIVE STOCK ON FARMS, JANUARY 1—GOATS—Continued

COUNTIES	FOR ALL PURPOSES							
	Under 1 Year Old		1 Year Old and Under 2		2 Years Old and Over		Died from Disease (all ages)	
	1922	1921	1922	1921	1922	1921	1922	1921
Newton.....					2	2		9
Noble.....				1	1	1		
Ohio.....						3		
Orange.....	1				15	17		2
Owen.....	2			11	9	46		11
Parke.....			1		56	12		
Perry.....								
Pike.....		2	2	1	16	14		
Porter.....	20		17		54	3	1	10
Posey.....		2		2	22	43	2	2
Pulaski.....	4	6		40	67	15	1	
Putnam.....			28	1	13	13	1	
Randolph.....	8	3	2	10	19	44		2
Ripley.....						15		
Rush.....		80			68	13		29
St. Joseph.....				3	55	24		
Scott.....			36	8	97	64		
Shelby.....					12	2		
Spencer.....					17	8		
Starke.....		63			25	22		
Steuben.....					2	11		
Sullivan.....	5	4			54	15		
Switzerland.....					5	24		
Tippecanoe.....					1	1		
Tipton.....			21		2	6		
Union.....								
Vanderburgh.....					4			
Vermillion.....		1	10		7	1		
Vigo.....		27	126	15	50	27		1
Wabash.....								
Warren.....					41			
Warrick.....		2		4	5	12	1	6
Washington.....	2		3		16	46		
Wayne.....		3	101	40	71	1		47
Wells.....					4	1		
White.....			23		46	4		
Whitley.....					5			

TABLE XIII. SPECIAL EQUIPMENT ON FARMS, JANUARY 1, 1922

COUNTIES	POWER MACHINERY						LIGHTING SYSTEMS			RUNNING WATER			HEATING						
	For the Farm						For the Home			Electric Plants			In the Home			In the Barn	Steam Plants	Hot Water Plants	Hot Air Plants
	Steam Engines	Gas Engines	Electric Motors	Tractors	Washing Machines	Churns	Vacuum Cleaners	Storage Battery	Current Pursued	Acetylene Plants	Sink	Bath Room							
State Totals.....	3,011	33,227	3,067	13,059	15,315	7,702	3,087	3,818	3,648	4,062	13,794	7,125	464	1,692	6,482				
Adams.....	31	589	72	257	337	61	18	70	46	63	165	72	8	48	190				
Allen.....	59	778	75	405	503	391	99	99	127	88	402	118	7	24	294				
Bartholomew.....	31	287	30	105	100	8	38	17	.....	98	59	79	1	7	36			
Benton.....	132	691	60	274	320	192	41	98	473	60	276	156	5	39	98				
Blackford.....	21	428	6	55	22	6	7	19	6	12	5	6	.....	.....	.....	
Boone.....	26	472	28	151	254	16	25	50	2	129	78	55	7	12	45				
Born.....	42	61	1	12	9	7	.....	.....	.....	.....	7	4	1	.....	1			
Carroll.....	20	675	84	238	317	197	39	55	7	34	242	142	15	28	128				
Cass.....	76	731	36	194	114	12	106	54	45	47	293	98	7	35	156				
Clark.....	28	115	14	95	28	15	2	20	2	26	62	36	12	17	15				
Clay.....	11	45	6	67	25	32	14	23	5	46	31	46	2	4	17				
Clinton.....	28	674	110	220	408	32	82	63	123	59	153	159	7	1	36				
Crawford.....	8	39	1	16	54	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Davies.....	19	99	4	92	79	102	4	14	1	5	43	17	1	4	7				
Dearborn.....	20	216	19	70	105	25	26	21	.....	63	101	71	1	9	27			
Decatur.....	29	267	3	192	88	23	8	25	11	27	199	94	21	2	21				
Dekalb.....	20	491	47	177	329	138	15	77	13	56	175	124	69	7	267				
Delaware.....	33	491	85	165	207	114	48	138	42	73	203	102	35	15	36				
Dubois.....	30	85	5	87	32	129	15	15	3	11	21	6	3	10	12				
Elkhart.....	37	562	178	113	334	159	99	32	130	31	189	150	57	5	68				
Fayette.....	20	170	54	80	148	61	40	60	13	38	79	58	9	4	23				
Floyd.....	14	68	12	39	15	9	2	10	1	9	15	10	1	6	.....			
Fountain.....	30	267	16	205	78	48	7	17	5	52	426	134	2	12	16				
Franklin.....	38	138	30	82	114	50	15	70	5	49	58	39	12	16	20				
Fulton.....	33	417	23	65	503	420	149	100	16	29	204	95	77	4	28				
Gibson.....	44	302	20	116	53	33	13	100	.....	22	181	70	13	1	13			
Grant.....	34	614	63	224	365	119	84	68	75	71	394	165	93	17	36				
Greene.....	15	68	5	107	136	169	13	7	66	12	53	22	1	6	73				
Hamilton.....	55	1,019	101	251	363	7	115	127	205	107	205	187	4	1	27				
Hancock.....	29	659	28	117	172	26	71	74	176	46	144	79	15	20	345				

TABLE XIII. SPECIAL EQUIPMENT ON FARMS, JANUARY 1, 1922—Continued

COUNTIES	POWER MACHINERY						LIGHTING SYSTEMS				RUNNING WATER			HEATING		
	For the Farm						For the Home			Electric Plants		Acety- lene Plants	In the Barn	Steam Plants	Hot Water Plants	Hot Air Plants
	Steam Engines	Gas Engines	Electric Motors	Tractors	Washing Machines	Churns	Vacuum Cleaners	In the Home								
								Storage Battery	Current Pur- chased							
	Sink	Bath Room														
Harrison.....	64	245	11	122	64	10	7	83	.....	20	28	45	8	1	2	1
Hendricks.....	32	307	57	220	207	31	63	73	52	99	170	92	14	8	30	87
Henry.....	39	535	99	185	317	322	160	78	43	42	321	121	80	10	65	147
Howard.....	45	565	27	196	175	28	17	50	21	28	93	71	14	5	34	89
Huntington.....	30	1,017	56	253	361	10	54	29	69	132	199	77	22	1	3	97
Jackson.....	62	206	9	134	144	52	16	4	.....	71	92	39	1	1	6	39
Jasper.....	40	246	31	133	200	117	14	35	.....	8	191	69	.....	9	13	29
Jay.....	41	584	40	150	212	196	62	81	59	14	149	87	13	3	17	112
Jefferson.....	21	88	19	77	59	6	13	8	415	23	35	23	1	1	2	11
Jennings.....	30	101	9	49	43	30	4	15	.....	16	54	25	1	5	1	6
Johnson.....	32	365	22	169	139	66	34	48	14	43	129	80	18	2	17	70
Knox.....	76	200	32	186	109	69	36	26	14	32	135	63	16	14	33	30
Kosciusko.....	31	686	51	85	197	182	30	88	86	61	178	129	26	3	39	253
Lacrosse.....	28	427	57	85	203	28	30	33	27	25	103	81	30	6	21	198
Lake.....	15	384	43	199	343	46	19	61	20	34	289	105	19	5	34	60
Laporte.....	59	679	39	212	186	203	82	28	20	45	345	110	12	9	44	151
Lawrence.....	30	103	33	160	38	197	23	38	.....	.....	38	71	30	9	8	4
Madison.....	70	365	18	207	122	47	19	126	51	31	54	113	17	9	16	162
Marion.....	25	274	49	168	147	31	37	23	66	36	101	79	12	6	27	63
Marshall.....	47	591	80	88	373	159	107	83	112	48	372	163	47	7	22	197
Martin.....	29	43	4	59	27	14	.....	1	.....	5	13	13	.....	.....	3	9
Miami.....	45	515	26	125	140	22	10	18	2	45	112	39	5	1	24	24
Monroe.....	6	35	14	43	41	112	1	4	46	17	6	10	.....	4	.....	.....
Montgomery.....	32	759	44	245	443	469	125	32	18	188	440	225	6	7	19	68
Morgan.....	42	179	25	162	47	1	11	11	.....	98	80	61	15	2	17	29
Newton.....	35	311	21	111	168	103	5	17	3	14	158	96	2	2	9	15
Noble.....	33	335	65	136	63	8	68	47	42	41	290	178	29	4	28	194
Ohio.....	7	34	2	11	6	1	.....	8	.....	4	4	.....	.....	.....	1	.....
Orange.....	21	223	.....	57	59	2	.....	5	.....	4	23	16	5	.....	1	.....
Owen.....	21	82	3	28	47	86	40	1	.....	10	121	44	2	.....	8	15

Parke.....	32	308	1	100	180	16	13	11	1	84	132	47	.....	.....	.....	15	29
Perry.....	15	59	1	50	10	2	.....	1	5	37	17	6	.....	.....	.....	2	3
Pike.....	17	91	7	77	14	.....	42	6	35	.....	6	6	.....	.....	.....	3	4
Porter.....	26	609	48	347	298	26	26	70	24	.....	303	174	24	.....	6	51	176
Posey.....	34	179	17	139	50	100	5	8	3	22	38	13	5	.....	1	8	10
Pulaski.....	40	468	33	93	138	138	15	24	1	48	344	102	5	.....	4	12	40
Putnam.....	29	236	6	130	138	112	46	13	25	66	82	80	6	.....	2	7	18
Randolph.....	55	703	78	263	216	16	52	111	51	65	143	121	41	.....	5	33	99
Ripley.....	51	150	14	172	95	1	.....	6	.....	52	197	75	4	.....	15	17	61
Rush.....	34	505	21	157	245	80	25	38	2	38	231	201	5	.....	10	42	62
St. Joseph.....	27	817	79	463	270	141	104	71	198	34	429	160	138	.....	17	31	366
Scott.....	11	43	.....	36	10	.....	.....	.....	.....	12	2	6	.....	.....	.....	.....	.....
Shelby.....	54	808	60	194	345	224	31	75	30	61	126	121	18	.....	17	20	49
Spencer.....	27	128	15	105	39	4	1	5	1	21	35	8	1	.....	4	4	3
Starke.....	20	228	3	96	113	7	.....	13	.....	3	192	35	6	.....	.....	3	17
Steuben.....	19	274	24	84	74	8	20	37	9	39	240	75	18	.....	49	22	163
Sullivan.....	23	72	36	87	94	88	14	16	1	13	105	27	9	.....	1	10	24
Switzerland.....	14	72	15	64	59	.....	17	33	.....	30	37	17	.....	.....	.....	.....	.....
Tipton.....	30	696	18	222	222	136	38	34	15	129	321	171	11	.....	7	19	118
Union.....	27	330	32	130	87	1	6	32	38	22	63	94	7	.....	6	30	36
Vanderburgh.....	12	207	16	60	61	5	31	69	13	15	70	55	4	.....	3	20	47
Vermillion.....	8	179	12	150	146	13	8	32	8	75	39	35	5	.....	.....	4	20
Vigo.....	17	130	30	107	48	48	8	23	1	22	88	57	1	.....	3	7	9
Washington.....	10	82	16	114	26	32	8	5	14	3	33	21	7	.....	2	5	21
Wabash.....	22	644	32	293	241	121	41	70	23	74	290	98	23	.....	3	10	43
Warren.....	40	488	15	247	174	126	12	26	189	49	150	91	1	.....	2	7	44
Warrick.....	34	78	20	77	94	12	11	20	3	66	111	36	10	.....	3	16	26
Washington.....	45	236	6	81	141	190	20	39	69	40	40	19	11	.....	3	5	4
Wayne.....	38	486	63	158	464	166	92	70	50	96	418	153	34	.....	15	58	173
Wells.....	21	768	69	282	212	121	69	85	37	39	181	91	44	.....	7	37	37
White.....	57	514	34	198	536	232	38	19	5	39	186	59	1	.....	2	11	15
Whitley.....	21	637	44	120	125	15	11	76	19	54	269	148	39	.....	1	31	152

TABLE XIII. SPECIAL EQUIPMENT ON FARMS, JANUARY 1, 1922—Continued

COUNTIES	VEHICLES					OTHER EQUIPMENT								
	Trucks	Tractors	Auto-mob-iles	Motor-cycles	Bicycles	Gasoline or Oil Stoves	Electric Hot Plates	Fireless Cookers	Milking Machines	Cream Separators	Incubators	Silos	Wind-mills	Farm Record Book
State Totals.....	5,420	1,999	110,672	721	2,947	46,679	1,018	615	1,192	76,156	30,543	30,543	32,247	8,334
Adams.....	29	98	1,346	1	31	449	57	1	11	1,124	341	219	816	105
Allen.....	65	22	2,428	21	55	705	12	4	13	1,526	539	418	1,442	195
Bartholomew.....	36	.....	856	18	65	266	7	.....	5	578	220	209	133	34
Benton.....	49	65	1,332	2	28	466	3	10	.....	739	293	251	964	199
Blackford.....	8	.....	644	4	.....	289	.....	.....	1	652	347	91	322	37
Boone.....	77	18	1,741	15	29	719	14	5	3	627	298	341	370	75
Brown.....	99	.....	263	.....	1	121	.....	1	.....	339	122	60	3	17
Carroll.....	114	55	1,656	3	10	801	3	10	.....	1,073	398	321	446	141
Cass.....	95	49	1,989	11	89	1,119	.....	2	9	1,338	528	483	587	124
Clark.....	59	1	568	.....	9	320	.....	12	20	775	156	393	43	48
Clay.....	54	10	889	20	4	322	.....	20	6	754	203	126	18	64
Clinton.....	96	21	1,613	8	101	967	14	16	15	971	655	417	437	144
Crawford.....	.....	.....	392	1	7	94	.....	.....	.....	533	161	189	.....	7
Daviess.....	25	1	750	.....	8	180	1	.....	2	937	289	213	70	44
Dearborn.....	73	6	1,019	13	22	406	4	2	11	1,195	147	361	5	62
Decatur.....	49	17	1,073	.....	4	184	4	2	1	481	230	496	485	44
Dekalb.....	43	23	1,366	5	8	759	2	2	6	1,293	327	404	1,190	115
Delaware.....	84	46	1,372	12	25	732	27	12	18	933	551	519	509	134
Dubois.....	21	1	685	1	29	297	.....	.....	1	573	61	230	7	46
Elkhart.....	83	22	1,635	23	89	1,060	8	12	24	1,418	485	802	873	206
Fayette.....	28	4	829	4	11	369	12	9	.....	421	187	80	68	51
Floyd.....	62	.....	442	5	.....	34	.....	3	13	127	31	137	5	3
Fountain.....	104	10	1,460	8	19	732	84	5	3	669	404	216	428	82
Franklin.....	48	2	897	17	17	485	.....	4	728	90	161	20	22	22
Fulton.....	22	51	1,208	17	59	867	7	7	11	930	730	375	782	174
Gibson.....	117	29	1,313	23	30	662	1	3	4	1,248	296	150	90	48
Grant.....	89	26	1,672	22	156	954	14	7	30	1,601	1,165	447	694	172
Greene.....	35	6	1,074	.....	7	422	.....	2	7	912	293	290	60	58
Hamilton.....	308	64	2,846	13	163	1,904	20	6	12	312	800	923	181	48
Hancock.....	77	14	1,778	27	86	425	9	22	12	548	462	191	284	75

Harrison.....	158	954	1	24	108	36	.....	12	848	269	360	15	21
Hendricks.....	104	1,545	3	20	820	28	21	34	464	389	541	244	154
Henry.....	87	1,681	11	63	650	7	8	20	668	385	372	450	129
Howard.....	90	1,439	1	44	476	9	3	8	929	497	233	326	160
Huntington.....	23	1,721	9	16	625	2	5	9	1,553	663	286	377	85
Jackson.....	73	1,015	9	75	523	3	.....	42	1,035	333	338	78	17
Jasper.....	23	1,067	3	53	190	13	7	9	798	315	426	781	147
Jay.....	33	1,177	29	63	773	5	7	2	1,363	475	232	534	259
Jefferson.....	44	846	.....	5	282	16	1	4	915	113	330	34	15
Jennings.....	24	473	4	26	334	1	4	3	830	373	279	86	150
Johnson.....	60	1,124	5	12	412	6	10	5	431	327	425	207	49
Knox.....	9	1,073	4	32	363	10	6	6	589	219	363	217	75
Kosciusko.....	67	2,082	6	32	920	19	2	6	2,033	639	534	1,097	119
Lagrange.....	15	1,149	3	26	593	31	36	27	913	317	598	164	73
Lake.....	94	936	.....	20	468	1	.....	114	376	374	838	843	73
Laporte.....	67	1,294	10	56	624	.....	1	28	1,033	403	809	866	172
Lawrence.....	74	1,378	15	20	205	4	6	21	493	336	136	18	32
Madison.....	86	1,860	68	143	531	230	54	130	928	489	434	309	79
Marion.....	163	1,533	10	18	427	1	10	18	288	141	363	130	76
Marshall.....	39	1,738	2	25	857	14	6	9	1,628	506	619	1,015	217
Martin.....	33	275	.....	11	66	1	2	.....	452	124	136	11	18
Miami.....	36	1,385	15	24	627	4	4	15	928	431	317	633	127
Monroe.....	23	1,008	1	19	172	.....	1	.....	692	193	235	9	17
Montgomery.....	119	1,644	19	33	883	9	31	6	1,000	552	281	423	108
Morgan.....	83	2,202	3	3	483	.....	5	9	600	312	373	112	86
Newton.....	26	629	3	6	185	.....	1	2	569	257	177	534	119
Noble.....	32	1,388	9	31	692	6	4	4	1,516	312	488	1,131	84
Ohio.....	15	284	1	.....	33	11	1	2	274	18	91	2	4
Orange.....	28	730	.....	4	158	1	.....	40	766	164	238	9	14
Owen.....	53	760	2	24	447	.....	2	.....	556	293	110	17	40
Parke.....	40	1,085	4	.....	491	5	16	8	573	339	244	177	45
Perry.....	10	215	.....	16	107	.....	2	.....	534	280	28	11	37
Pike.....	24	598	1	.....	37	.....	.....	1	351	18	97	30	8
Porter.....	38	1,711	.....	24	546	3	3	160	823	286	1,013	1,041	164
Posey.....	13	935	3	22	149	26	.....	3	534	80	88	45	60
Pulaski.....	36	1,258	1	39	921	5	3	4	1,255	447	445	442	116
Putnam.....	68	1,690	4	17	1,046	6	15	2	385	799	245	158	47
Randolph.....	40	1,744	11	32	986	15	7	2	1,656	399	464	479	150
Ripley.....	66	1,885	11	5	244	1	.....	.....	1,774	566	225	39	14
Rush.....	41	1,621	14	71	224	.....	5	.....	741	500	183	354	153

TABLE XIII. SPECIAL EQUIPMENT ON FARMS, JANUARY 1, 1922—Continued

COUNTIES	VEHICLES					OTHER EQUIPMENT								
	Trucks	Tractors	Auto- mobiles	Motor- cycles	Bicycles	Gasoline or Oil Stoves	Electric Hot Plates	Fireless Cookers	Milking Machines	Cream Separators	Incu- bators	Silos	Wind- mills	Farm Record Book
St. Joseph.....	135	22	2,793	24	141	869	45	14	28	838	379	851	961	266
Scott.....	30	.....	357	1	4	56	1	.....	.....	289	103	172	1	59
Shelby.....	17	12	1,741	13	70	470	7	6	23	747	673	335	294	159
Spencer.....	29	10	633	7	15	266	5	4	18	708	164	173	27	33
Starke.....	39	9	742	9	25	251	.....	.....	8	710	223	407	159	39
Steuben.....	41	20	1,123	13	4	1,122	1	16	4	995	283	407	985	154
Sullivan.....	40	14	978	14	14	308	.....	12	6	472	236	248	72	58
Switzerland.....	39	.....	738	.....	.....	494	12	.....	5	1,084	44	196	.....	60
Tippecanoe.....	79	24	1,767	1	4	785	1	4	1	1,126	458	440	425	148
Tipton.....	16	8	1,225	1	7	179	3	4	3	533	287	216	164	66
Union.....	23	2	619	1	2	234	9	8	1	374	123	80	62	68
Vanderburgh.....	88	8	992	.....	.....	324	.....	14	12	316	84	178	42	18
Vermillion.....	49	8	586	9	35	194	11	1	5	423	122	177	48	18
Vigo.....	39	2	413	2	68	543	2	10	2	236	95	198	37	37
Wabash.....	34	207	1,186	3	.....	709	14	4	19	1,288	480	403	635	220
Warren.....	76	116	952	1	14	442	1	1	.....	563	253	220	307	61
Warrick.....	35	9	560	9	9	400	7	8	7	719	234	264	15	113
Washington.....	48	100	826	10	46	265	3	6	22	913	161	387	32	55
Wayne.....	85	24	1,584	15	81	840	19	12	8	924	394	436	309	130
Wells.....	30	35	1,442	15	34	649	39	7	7	1,206	490	227	497	155
White.....	139	48	1,648	5	27	454	.....	16	1	920	363	347	621	94
Whitley.....	27	15	1,499	4	31	997	6	2	4	1,317	513	333	1,046	122

REPORT OF STATE LIVE STOCK SANITARY BOARD

R. C. JENKINS, President.
DR. E. J. TANSEY, Vice-President.
DR. J. H. MILLS.
JOHN W. VanNATTA.
A. D. KING.
R. C. JULIEN, Secretary.

Under the law inaugurated by the last General Assembly this department was reorganized in July, 1921. One of the first acts was to abolish the system of district livestock inspectors, and confining the operation of the department direct from the central office in the state capitol. All requests for assistance must now be made through the department, and graduate, licensed veterinarians may be commissioned to assist in the control and eradication of contagious and infectious disease. This plan has reduced the expense of the department more than \$500 per month, has made our service more efficient and effective and has created a more friendly feeling and a better spirit of co-operation among practicing veterinarians and livestock owners.

At the present time one of the greatest projects to which the attention of this department is being directed is that of establishing tuberculosis free accredited herds of cattle, and the attempt to eradicate tuberculosis from livestock. During the year just closed the state and federal forces have inspected more than 110,000 head of cattle from which there were revealed a total of 3,765 diseased animals, for which the owners received the aggregate sum of \$165,000, the average indemnity for each animal being \$27.21 for the state and \$18.50 for the Federal government. During the fiscal year 1920-1921 the combined forces inspected 65,000 head of cattle, from which were revealed 1,376 diseased animals, for which the owners were paid the aggregate sum of \$85,000, the average for each animal being \$36.50 for the state and \$26.50 for the government. The total operating expense of this department for the fiscal year 1920-1921 was \$33,233.36 and for the year 1921-1922 the expense was \$28,790.24, making a difference of \$4,443.12, and in addition to this the department has been required to pay its own printing bills which amounted to \$786.08, and we have been forced to add additional clerks which have cost the sum of \$1,422.32. These two items together with the above difference represent a total saving of \$6,651.52, notwithstanding the fact that the state forces have inspected more than three times the number of animals.

Since the reorganization of this department we have advanced from the seventh state in the Union to that of first in the number of fully accredited herds, that number at the present writing being 1,929. The cost per head for this class of work has been reduced more than 50 per cent below the general average throughout the United States. The present and ever-increasing demand for this class of work is causing con-

siderable worry not only to this department but to the Federal department as well, for the work is being performed in the fullest co-operation with the U. S. Bureau of Animal Industry, the extension division of Purdue University, practicing veterinarians, livestock associations and farm bureau organizations.

In order that the work might be done more satisfactorily and economically the department has entered into an agreement with the cattle owners of Lake and St. Joseph Counties in an attempt to eradicate this disease from these areas, and up to the present time there have been removed from Lake County more than 800 diseased cattle and from St. Joseph County more than 500. The per cent of disease in this territory averages a fraction over 10 per cent.

At the present time we have more than 13,000 herds under supervision, and considering the counties which are demanding the area project we have upwards of 85,000 head of animals awaiting the tuberculin test. Therefore, it is easy to see that we are far behind with this work, and as time goes on we will continue to fall behind for the reason that the necessary funds are not available for the employment of inspectors to meet the increasing demand and to pay indemnities in accordance with the agreement. At the present time we are for the most part exerting our efforts toward the testing of herds which are due and past due. A few complaints have been registered because the state and Federal departments were late in getting to this class of cattle, and when we consider the present and ever-increasing demand it is only reasonable to assume that as time goes on additional complaints will be forthcoming. As an indication of the increase in this class of work the records show that during the month of October 226 diseased cattle were revealed, November 267, December 283, January, 1922, 336, February 492 and March 468. In addition to the above the practicing veterinarians have tested and reported more than 17,000 head of cattle out of which have been revealed approximately 600 diseased animals. A regulation was passed at the October meeting of the board requiring the veterinarians to forward copies of any and all health certificates issued by them and where reactors are revealed they must be branded on the left jaw with the letter "T" and immediate notice given the state department, whereupon the animal is quarantined and a special react tag is furnished to be placed in the left ear. This regulation, together with the co-operation of the veterinary profession, has resulted in locating, quarantining and destroying the above number of diseased animals. In addition to this also practicing veterinarians have tested 245 fully accredited herds of cattle.

In order that the public may know how indemnity funds are being expended and in which proportions indemnities are being paid and salvage received for reacting cattle, a comparative record has been made on 113 grade animals taken at random covering the period from October, 1920, to April 1, 1921, and fifty-nine purebred animals covering the same period. This record shows that the average appraisal of grade animals was \$119.30 and the average salvage received was \$20.47, average indemnity from the Federal government \$24.17, average state indemnity \$33.89. On the fifty-nine purebred animals the average appraisal for the period was \$324.57, average salvage \$32.53, average Federal indemnity \$49.00 and average state indemnity \$74.15.

On 112 grade animals taken at random covering the period Oct. 1, 1921, to April 1, 1922, the average appraisal was \$66.65, average salvage \$22.15, average Federal indemnity \$13.58 and average state indemnity \$13.83. On fifty-eight purebred animals covering the above period the average appraisal was \$181.10, average salvage \$28.61, average Federal indemnity \$21.37 and average state indemnity \$47.61. Thus it will be observed that on grade animals the indemnity funds are being spread out over a much larger area, and will cover more than twice the number of animals. It will also be noted that the average salvage has been very markedly increased. This increase has been largely due to the combined efforts of the bureau and state forces, and especially to Dr. J. E. Gibson who has been delegated by the Federal authorities on this most important work, and he has intimate and personal knowledge of the inside operation of packing plants and stock yards. The increase in salvage received at a number of Federal inspected plants has been due in no small measure to the efforts exerted by Governor McCray in his attempt to see that fairness and justice was done to all parties concerned.

Since the state and Federal governments are spending thousands of dollars annually toward the control and eradication of bovine tuberculosis, the members of the Live Stock Sanitary Board immediately saw that if the desired end was ever to be accomplished it was necessary to take some steps toward the protection of healthy cattle from possible infection from diseased animals coming from public stock yards for feeding and grazing purposes. Therefore, Regulation No. 7 was promulgated requiring that all female cattle entering the state or coming from public stock yards within the state for feeding or grazing purposes must first be branded on the right jaw with the letter "F", the shipper to execute an affidavit stating the purposes for which the animals were being removed, and to hold them in quarantine and resell for immediate slaughter only. This regulation alone has been the means of locating a large number of diseased animals. During the past year there have been shipped out of public stock yards and into the state more than 65,000 head of cattle for feeding purposes. Seventy per cent of these animals have been steers, 20 per cent heifers and 10 per cent cows. During the past year there have been tested in public stock yards within the state more than 7,500 head of cattle. Out of this number have been revealed 243 diseased animals, or a fraction under 3 per cent. This within itself would indicate the wisdom of ascertaining the health of breeding animals before they are purchased from public stock yards or elsewhere.

HOG CHOLERA

During the month of October, 1921, the swine industry suffered severe losses from a virulent outbreak of hog cholera, this disease being more or less prevalent during the fall months of the year. The preceding months were exceptionally dry periods followed by extreme rains the first of September, which condition no doubt had much to do with the rapid spread of the disease. It must also be remembered that hog cholera had not been prevalent to any alarming extent since the years 1913 and 1914, and due to the financial depression of farm products and stringency of money thousands of swine breeders decided to take a chance with the

disease rather than immunize their swine. The majority of hogs at this season of the year would weigh approximately 170 pounds and it would be and was quite expensive to simultaneously treat this weight animal. This fact alone was no doubt responsible for rushing to market many diseased and exposed animals. However, up to this time the regulations did not require diseased animals to be slaughtered under Federal supervision. Thus a condition existed whereby it could be made a profitable business to deal in diseased animals. Feeling that this condition should not exist the board passed a regulation requiring all swine showing physical evidence of disease to be slaughtered under Federal supervision, thereby preventing to a great extent the selling and dealing in sick and diseased animals, as well as protecting the unsuspecting public against the purchase of diseased meat.

Through the co-operation of the hog cholera division of the Bureau of Animal Industry, the extension division of Purdue University, practicing veterinarians, livestock organizations and the public press, this outbreak of hog cholera was brought under control within a period of thirty days, and since November 15, 1921, only sporadic and isolated outbreaks have been reported. The services of both the state and Federal departments have been requested in a number of cases following the interstate movement of feeding pigs, and in most instances investigation revealed that these animals had been shipped a considerable distance and had not been properly handled at point of destination, causing considerable loss to the individual shipper. A majority of these shipments were simultaneously treated upon arrival and in a number of instances it is thought the delay in this treatment was responsible for no small portion of the losses sustained. During the past year there have been transported into this state from other states and public stock yards, and out of public stock yards within the state a total of 93,086 head of hogs for feeding purposes.

SHEEP SCABIES

During the year just closed the department, in co-operation with the Bureau of Animal Industry, has spent considerable time investigating sheep scabies, and we have every reason to believe that this disease is quite prevalent in Montgomery, Fountain, Parke, Vermillion and Putnam Counties. During the early part of the year the department had quarantined sixteen farms and since that time additional investigations have been made, the animals have been properly dipped and most all farms have been released from quarantine. At the present time we are holding under quarantine four different bands of sheep. Further investigation will be continued, and it is hoped that during the coming year we may be able to completely eradicate this disease.

RABIES

During the past year rabies has been reported in Lake, Boone, Monroe, Green, Marion and Hancock Counties. The Laboratory Division has made a number of examinations and in most instances the diagnosis was confirmed. Through co-operation of veterinarians, live stock owners and

health officers in the various localities the losses from this trouble have been negligible and the disease has been brought under control.

RENDERING PLANTS

Due to the fact that this branch of the department had been somewhat neglected during the year 1920 it was found upon investigation that a number of rendering plants had failed to pay their license fees, also that a considerable number of these institutions had closed down and were not operating, largely for the reason that the low prices prevailing for the product of such concerns made their operation unprofitable. During the period of the war a large number of rendering plants came into operation, and the records indicate that at one time there were 115 such institutions. During the month of August, 1921, there were less than 50 such plants operating. During the past year a representative of this department has spent considerable time visiting a number of these plants and inspecting same with a view of collecting past due fees and encouraging the owners to continue in the business. An inspection of the records during the first six months of the current fiscal year indicates that we have collected \$1,975.00 in license fees, also that we have visited 58 plants, said inspection being at a cost of \$421.99. During the corresponding period one year ago the inspector visited 22 plants at a total cost of \$376.44, making the expense per plant for inspection \$17.06, while the cost under the current administration has been reduced to \$7.27.

At the present time there is a total of 70 such plants in operation in the state. Some few are in arrears with their license fees, but the department is making every effort to collect all such dues, yet at the same time we are not unmindful of the present condition of this business and therefore are more lenient than we would otherwise be.

VETERINARY EXAMINING BOARD

The board held three examinations during the year, in January, May and July. Total number of applicants examined, 24; total examination fees collected, \$240.00.

The board conducted a number of investigations relative to veterinarians who were practicing in the state without having registered with the department as required by law, and statute requiring that each practicing veterinarian register every two years, paying the fee of \$1.00. These investigations resulted in the collection of the sum of \$105.00 in back registration fees. It was found that in the majority of cases the failure to register was due to ignorance of the law on the part of the veterinarians.

FINANCIAL REPORT

For the period from October 1, 1921, to September 30, 1922,
rendering plant license fees paid into the treasury.....\$3,625 00
Veterinary license fees, October 1, 1921, to September 30, 1922.. 376 00

Total receipts paid into treasury..... \$4,001 00

Payment for cattle condemned under act of March 14, 1919, relative to the eradication of tuberculosis, from October 1, 1921, to September 30, 1922, appropriated	\$100,000 00
Payment for cattle condemned under above mentioned act, from October 1, 1921, to September 30, 1922, paid out.....	99,999 11
	<hr/>
Reversion to treasury.....	\$ 89
For salaries and expenses, October 1, 1921, to September 30, 1922, appropriated	\$35,000 00
For salaries and expenses, October 1, 1921, to September 30, 1922, paid out	28,790 22
	<hr/>
Reversion to treasury.....	\$6,209 78
For foot and mouth disease and glanders, annual appropriation.....	\$50,000 00
For foot and mouth disease and glanders, paid out.....	225 00
	<hr/>
Reversion to treasury.....	\$49,775 00

REPORT OF CLERK OF SUPREME AND APPELLATE COURTS

OFFICE FORCE

PATRICK J. LYNCH, Clerk.
OWEN S. BOLING, Deputy.
J. D. LATHAM, Assistant Deputy.
HOMER A. KIMBERLIN, Record Clerk.
CORA B. MULL, Stenographer.
LUCILLE D. GOODE, Copy Clerk.

The judges of the two courts as now organized are as follows:

SUPREME COURT

Hon. Julius C. Travis, Laporte, Chief Justice.

ASSOCIATE JUSTICES

Hon. Benjamin M. Willoughby, Vincennes.
Hon. Howard L. Townsend, Fort Wayne.
Hon. Louis B. Ewbank, Indianapolis.
Hon. David A. Myers, Greensburg.

APPELLATE COURT

Hon. Alonzo L. Nichols, Winchester, Chief Judge.

ASSOCIATE JUDGES

Hon. Willis C. McMahan, Crown Point.
Hon. Charles F. Remy, P. J., Indianapolis.
Hon. Solon A. Enloe, Danville.
Hon. Ethan A. Dausman, Goshen.
Hon. Ira C. Batman, Bloomington.

The clerk's office occupies Rooms 216 and 217 in the State House.

REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS AND PROPERTY

ROY COUCH, Superintendent.

The superintendent of public buildings and property is elected by a board consisting of the Governor, Secretary and Auditor of State for a term terminating at the option of the board, and qualifies by taking the usual official oath and executing a bond for \$10,000. It is the duty of the superintendent to take charge of, protect and preserve from injury the capitol building and grounds and all furniture and property therein; to keep such building and property clean and in proper order; to attend visitors who may wish to view the capitol; to purchase supplies and make all necessary repairs on the capitol building; to employ all assistants and other necessary help, who come under his supervision; to institute civil or criminal proceeding against any person for injury, or threatened injury, to the property under his care; to dispose of worn-out and unvaluable property, such as furniture, waste paper, books, etc., and make proper auditing therefor to the State Treasurer quarterly; to keep a complete list of all property of the state at the seat of government, with accurate plans and surveys of the public grounds whereon the capitol is situated, and report such property to the board on the last days of March, June, September and December of each year, and to the General Assembly every two years, showing the purposes of the expenditures from the appropriations made to his office. All official acts of the superintendent are with the approval of the Board of Public Buildings and Property.

An act was passed by the General Assembly of 1919, abolishing the office of the State House engineer and conferring the duties upon the superintendent.

FINANCIAL REPORT

	Appropriations	Expenditures Balance
Supt. Salary	\$25,000 00	\$25,000 00
Labor	36,000 00	36,000 00
Gov. Contingent Fund	5,910 65	5,910 65
Repairs	20,000 00	19,987 75—\$12 25
Heating and Fuel	10,000 00	10,000 00
Gov. Contingent Fund	4,222 18	4,222 18
Water and Ice	2,600 00	2,597 08— 2 92
Illumination and Power	7,000 00	6,868 69—131 31

REPORT OF THE STATE PROBATION OFFICER OF INDIANA

CARINA C. WARRINGTON, State Juvenile Probation Officer.

On September 30, 1921, there were 42 counties having probation officers. On September 30, 1922, there were 51 counties having probation officers. This shows a gain during the last year of 9 counties who have probation officers. In addition to the appointment of officers in these counties there has been a turn-over in 6 counties, and the appointment of additional officers in 4 other counties. The total number of probation officers appointed during the year ending September 30, 1922, was 19. All of these officers have been given examinations and have received appointment certificates. One officer appointed last year for a one-year period has had her appointment renewed. There are 3 officers now waiting for their necessary examination before receiving their appointment.

In the 5 counties requiring 4 or more all-time probation officers the following conditions exist at the present time: Allen county, under the law, is required to have 4 all-time probation officers. It has only two such officers, a chief probation officer, who also takes care of the adult probationers received from the Criminal Court, and an assistant probation officer, who, in addition to her probation work, acts as agent for the Board of Children's Guardians. This is the same status which Allen county had on September 30, 1921. Efforts, however, are being made to obtain the appointment of a chief adult probation officer and another assistant probation officer. Allen county's quota would then be complete.

Elkhart county has 3 officers, all of whom serve only part-time, and each of whom are very busy persons without the additional duty of probation officer. The chief probation officer in this county resigned, and Mr. C. M. Arnold, Boy Scout executive, was appointed in his place.

Lake county has 3 probation officers and one agent of the Board of Children's Guardians who acts also as a probation officer. The required number for the county is 5 all-time officers. This county needs its full quota, as the situation in Lake county, due to its large number of manufacturing centers and its cosmopolitan population, is a difficult one to handle. However, certain adjustments and arrangements will be necessary before the additional officers can be appointed. The chief probation officer in this county resigned during the year, and Mr. Albert Lewis of East Chicago was appointed to his stead.

Marion county's required quota is 8 county probation officers. On September 30, 1921, they were lacking one of having the required number. This year the additional officer has been appointed. This is the only county out of the 5 counties in which it is mandatory to have a certain number of all-time officers which has completed its quota. Arrangements have been made by this county with the police department of Indianapolis for additional officers to act as an investigation department

for the court. Two men and several women have been assigned to the Juvenile Court by the police department for this purpose. Miss Schuller is the additional probation officer appointed, and, due to the resignation of Fannie Friedman, Mrs. Carrie Marshall was appointed to fill the vacancy.

St. Joseph county is required by law to have 4 all-time probation officers. Mrs. Harris has been appointed as a new all-time assistant probation officer, and she is also to act as an agent for the Board of Children's Guardians of that county. Arrangements have been made for the chief probation officer to give practically all his time to the work of the Juvenile Court. There are still two more officers to be appointed before St. Joseph county has fully complied with the law. Negotiations are at present under way for the appointment of a third officer. In this county an office has also been established in the court house.

Vigo county is in exactly the same condition as it was at the last report. There are two all-time officers, and its quota required by law is 4.

In the six counties requiring at least one part-time officer the following changes have taken place:

Delaware county has appointed Mrs. Minnie L. Snyder as an additional all-time officer, and has established an office in the court house.

Vanderburgh county has changed their chief probation officer and appointed Mr. Adolph Stallman as such officer. In addition, Mrs. Belle Norwood has been made an assistant probation officer for that county. There has also been added to the force of probation officers two colored volunteer workers.

Laporte county, on examination, was found to have no county probation officer, merely an officer appointed for Michigan City alone. It was also found that the Juvenile Court was functioning through the Superior Court, and not through the Circuit Court. Plans are under way to remedy the situation in that county.

Grant county has one all-time officer, and there is no change in that county to report.

Madison county has only one part-time officer. This officer's resignation is on file in the state office, to take effect October 1. So that, at the writing of this report, there is no probation officer in Madison county.

In the remaining 81 counties of the state, where the appointment of an officer is purely optional with the judge, the following counties have appointed probation officers during the past year: Carroll, Franklin, Floyd, Hamilton, Howard, Lagrange, Noble, Putnam, Rush and Vermillion.

In all there have been 19 appointments made and one reappointment of an officer whose appointment the previous year had been approved by this office. This office has given a total of 21 examinations, out of which the 19 appointments have been made. No examination was required for the reappointment of the officer who had previously been approved by this office. There were 3 counties in which officers have been selected by the judges, but to whom no examination had been given at the close of this year. These counties are Pulaski, Sullivan and Fulton.

The state officer has visited 76 counties and has interviewed the judges in practically all of them. It has been necessary in many in-

stances to follow up the original visit with conferences, public addresses and individual work with various groups in the community before the desired result has been obtained. In this respect the state officer has made 25 speeches and held 12 private conferences.

A system of reports has been established throughout the state, and an attempt has been made by the state officers to install in the various localities a uniform system for the keeping of case histories by the individual officers of all cases investigated by them. Blanks for this purpose have been furnished by the state office and are known as Form Pr. 11 for investigation, and Form Pr. 12 for probation history.

It has been found upon the compilation of the reports that there have been a total of 1,676 boys' cases and 1,055 girls' cases handled by the Juvenile Courts of the state during the past year. That of this total number of cases 135 boys and 99 girls have been committed; that 669 boys and 207 girls have been discharged improved; that 53 boys and 38 girls have been discharged without any improvement; that 49 boys and 37 girls have been transferred to other probation officers; and that there have been lost from oversight 282 boys and 162 girls. Of the total number of cases handled during the year there still remains 489 boys' cases and 512 girls' cases being handled upon probation by the various officers throughout the state.

Upon the above figures the following percentages have been obtained: 39.9% of the boys' cases and 19.6% of the girls' cases have been discharged as improved. These percentages are very low, particularly in view of the fact that practically one-half of the boys' and one-third of the girls' cases were what are known as unofficial cases and were never serious enough to have been brought into court for an official record. The per cent of convictions, which, of course, show a definite failure, are 8% for boys and 9% for girls. The percentage of cases lost from oversight of the officers is 16.9% for boys and 15% for girls. Practically one-fourth of the boys' cases and one-half of the girls' cases are still pending and in charge of the officers. The fact that there is such a low percentage of cases definitely successful, and such a high percentage of cases absolutely lost from the oversight of the officers shows conclusively a lack of proper supervision of the individual delinquent. This lack of proper supervision is brought to light by the reports filed, which show that for the total number of cases, which are 2,731, there have been made a total of 11,251 visits, which is an average of approximately only 4 visits per year to each case.

It is impossible to do good probation work unless the individual placed upon probation is properly and closely supervised. The average case requires not less than one visit per month, and more properly two, in addition to the visits of the probationer to the office of the probation officer. The ridiculously low figure of four visits per year per case is due to two causes: First, that in the larger counties there are an insufficient number of officers for the volume of Juvenile Court work; and, second, that in many other counties there is a lack of understanding of the proper functions of a probation officer, both by the officers themselves and others concerned in the work. Probation itself for the right type of offender is not a failure, but lack of proper probation, or no probation

at all, only in name, is doubtless the underlying cause of the present so-called, anti-probation propaganda.

The most prevalent form of delinquency as shown by this report among boys is larceny, while among girls it is immorality. The term "incurrigibility" has been used in the cases of 38 boys and 173 girls. This term, however, is very vague, and it is impossible to know just what form the incurrigibility has taken.

The data as given above is very incomplete, due to the fact that there are 41 counties having no probation officers, and that of the remaining 51 counties having probation officers, 9 have failed to file monthly reports, namely: Carroll, Fayette, Franklin, Fulton, Pike, Randolph, Spencer, Vermillion and Wells, and that the following counties have filed very few monthly reports, as shown by the figures opposite the name: Cass 3, Elkhart 1, Hancock 3, Howard 3, Huntington 4, Montgomery 5, Park 2, Starke 1, Tippecanoe 3, and White 1.

It has been necessary in starting the supervision of probation work in this state to choose some particular line of work as a starting point, and for this reason the juvenile work has received the major portion of attention from this office and very little time has been given to the adult phase of the work.

We have, however, received regular reports on adult work from 18 county officers and one city officer. These officers have handled a total of 2,541 cases. The major portion of these cases were handled by the adult division of the Indianapolis Juvenile Court, namely, 2,016, and were principally neglect, or contributing to neglect, cases which are under the jurisdiction of the Juvenile Court. The next in volume of work was handled by the city probation officer of South Bend. This officer is appointed to serve in the City Court of that city. The number of visits made in the interest of adult probationers throughout the state is 1,784; this is less than one visit per case per year. It is further shown that these adults have paid into the courts for support of their families the sum of \$48,768.23; for fines, the sum of \$3,082.00; and for reparation, the sum of \$91.00, making a total of money collected by the courts from adults of \$51,936.23.

The State Juvenile Advisory Commission has held three meetings including their annual meeting. These meetings were held at Muncie in October, at Indianapolis in January and again at Indianapolis in September. The latter meeting was the regular annual meeting of the commission. At the first two meetings all members of the commission and the state probation officer were president. At the annual meeting, Mrs. Albion Fellows Bacon, Mrs. John Bossard, Mrs. Ella Bagot Kehr, and the state probation officer were present. At this annual meeting, it was decided that certain changes in the law were necessary for the success of the juvenile work, and it was decided that when feasible an attempt should be made to obtain the passage of an amendment embodying the changes decided upon, which were as follows: That upon failure of any judge to appoint the probation officer in his county, such appointment should be made by the state through the commission; that means should be provided for the removal of inefficient officers; that all doubt as to the right of the Juvenile Court to have jurisdiction over juveniles who

have committed a crime punishable by death or life-imprisonment should be removed, so that such juveniles may be tried without question as juvenile delinquents; that the age of the boy who is a delinquent should be raised from that of 16 to 18, making it the same as the age for the delinquent girl.

It is further suggested that the appointment of the state probation officer should be vested in a non-partisan commission rather than in the governor as is now the case.

Since without question a proper care of dependent children lessens the number of such children becoming delinquent, we would recommend an amendment to the statute which gives the Board of Children's Guardians the right to aid children in their own homes. Such amendment to make the creation of the machinery for giving such aid mandatory, and the rendering of such aid obligatory whenever a proper showing of facts is made.

The above facts as stated in this report give but a small idea of the amount of work really accomplished during the past year. Throughout the state there is an awakened conscience on the subject of probation which augurs much for the future of the work. There is no doubt that with the coming year many counties will join those already in the ranks of the probation work, and that in some of those counties where the work has been poorly and indifferently done there will be a change for the better. Without doubt when once the people understand the advantages of intelligent and sane probation work they will demand that their communities shall make use of this well-tried method for the prevention and retardation of crime.

REPORT OF THE STATE BOARD OF PARDONS

ALBERT D. THOMAS, President, Crawfordsville.
ADOLPH SEIDENSTICKER, Secretary, Indianapolis.
DR. FRANK L. HOVIS, Indianapolis.
MAY L. NICHOL, Clerk, Indianapolis.

The State Board of Pardons, as established by an act of the legislature in 1903, consists of three members appointed by the governor, for a term of four years each. The board selects a president and secretary from among its members, and employs a clerk, who also acts as stenographer.

It is the duty of the board to inquire thoroughly and carefully into the merits of all petitions which may be presented to the governor for the pardon of any person convicted by any court, or by any court-martial in the state of Indiana, and to report to the governor in writing its conclusions and recommendations in each case, which reports must be signed by at least two members. These conclusions and recommendations are in no way binding on the governor, and he is free to follow them or not, as he in his discretion thinks best. During the fiscal year Governor McCray concurred in all recommendations made by the board with one exception.

The board has power to administer oaths, summon witnesses, and to compel their attendance and to punish for contempt any person refusing to obey a summons issued. The statute further requires the board to keep a record and files of its proceedings, and that all oral testimony be reduced to writing.

While the act creating the board seems to contemplate that all appeals for executive clemency should be referred to and passed on by the board, yet, until the advent of the administration of Governor McCray, that was not the practice. During the four years of Governor Goodrich's administration, executive clemency was granted in 1,111 cases, of which only 340 were submitted to the board. The remaining cases were acted upon by the governor direct, without submission to the board.

Governor McCray has strictly adhered to his policy, adopted immediately after he took office, that all petitions for executive clemency should be first investigated by the State Board of Pardons.

Due to this change in policy, the board now meets monthly instead of quarterly, as heretofore. The salary of each member of the board as fixed by an act of the 72d General Assembly (Acts 1921, page 186), is ten dollars per day for each day actually and necessarily spent on duty.

Regular meetings of the board are held on the second Monday of each month, and usually continue for four or five succeeding days. Cases are heard only upon petition, which must be filed at least ten days before the meeting at which the case is to be heard. Full publicity is given through the press of the filing of petitions and the date of hearing thereof, to the end that the public may be apprised of the pendency of

every case. Hearings are held at the office of the board, Room 332, State House, and are open to the public.

During the fiscal year ending September 30, 1922, six hundred and sixty-five cases were heard and reports made thereon to the governor, as follows:

CASES ACTED UPON FROM OCTOBER 1, 1921, TO SEPTEMBER 30, 1922.

Final discharge recommended.....	6
Parole recommended	60
Commutation of sentence recommended.....	24
Parole recommended upon condition that they be deported.....	2
Paroled while serving out fine, no days given in sentence, to pay in installments....	4
Parole and remission of fine recommended upon condition that applicant leave state, without expense to state.....	1
Parole recommended after time had been served, with permission to pay fine and costs in installments	41
Parole recommended before time expired, to pay fine and costs in installments.....	7
Parole recommended upon condition that men go to relatives in other states, without expense to Indiana, and remain out of Indiana.....	2
Parole recommended upon condition that men be turned over to authorities of other states where wanted	3
Temporary parole recommended.....	5
Extension of temporary parole recommended.....	1
Parole and remission of fine recommended.....	4
Parole and partial remission of fine recommended.....	2
Remission of fine recommended.....	32
Remission of part of fine recommended.....	4
Permission to pay fine in installments granted.....	3
Remission of sentence recommended.....	1
Remission of judgment on forfeited bond recommended.....	1
Remission of fine recommended upon condition that man be delivered to the sheriff of Marion County to be by him taken before the judge of the Marion Criminal Court for sentence upon revocation of the suspended sentence under judgment of the court rendered October 28, 1921.....	1
Refusal recommended	450
Stricken from the docket.....	11
Total cases considered during year.....	665

In addition to the cases heard and reported on, correspondence has been carried on concerning more than a hundred cases, which never reached the point where a petition was filed.

It will be noted that few pardons are recommended but a larger number of paroles. This makes after-care and supervision possible as well as a revocation of parole whenever the prisoner fails to conduct himself properly after his release. Less than 6 per cent of those released upon governor's parole, violate their parole. The percentage of parole violators among prisoners released under the indeterminate sentence law, that is, prisoners who have served at least their full minimum term and are released by the parole board at the institution where they are confined, has for years averaged 26 per cent. We feel fully warranted therefore in suggesting that the small per cent of violators of governor's paroles proves almost conclusively that few mistakes have been made and that there has been no abuse of the pardoning and paroling power of the governor.

REPORT OF THE ADJUTANT GENERAL

BRIGADIER GENERAL HARRY B. SMITH

Appointed the Adjutant General of Indiana by the Governor of Indiana under the provisions of paragraph 214, Article XII, Constitution of the State of Indiana, January 9, 1917.

Reappointed: January 8, 1921.

Received Federal recognition as a Brigadier General, Adjutant General's Department, National Guard and as the Adjutant General of the Indiana National Guard, under the provisions of paragraph 137, section D (State Staff Corps and Departments) National Guard Regulations, as provided for by the Act of Congress approved May 12, 1917; July 1, 1921.

DUTIES OF THE ADJUTANT GENERAL

In addition to the duties of Adjutant General, the duties of Quartermaster General of the State of Indiana (civilian position) were performed. Appointed to this position September 17, 1917.

To provide for the maintenance of an efficient and adequate military force in the State of Indiana.

To make such reports to the Secretary of War and to the Governor of Indiana as are ordered by regulations.

To provide proper facilities for the care and preservation of the military property in the hands of the National Guard, and to arrange such schedules or issue such orders as are requisite for the proper instruction of the military force of the state.

To complete the records of service of persons from Indiana in the wars of the United States.

The services of the personnel on duty in the office of the Adjutant General has been most satisfactory and through the individual efforts of each member thereof the routine matter has been kept up to date and the work of this year, which is greatly in excess of that of any prior year, has been attended to carefully, accurately and systematically. This would not have been possible were it not for the painstaking interest and the loyalty of all concerned. It has been necessary to assign additional work to each member of the small office force until it seemed as if no more could be given. Even with this increased amount of personal work the work progressed in a manner reflecting great credit in each individual member and this fact is known to the Adjutant General and appreciated very keenly. He has had a loyal staff of assistants and clerks and to them is due the major portion of the credit for the splendid condition existing in this office.

The Adjutant General has made special effort to visit and inspect all of the National Guard units throughout the State of Indiana. This has been impossible to some extent due to the increasing routine duty of this office. However it is expected that the new year will eliminate

the necessity of devoting his personal attention to all details arising requiring his attention. This office has been fortunate in securing the services of Lieutenant Colonel Edwin L. Nicholas, Adjutant General's Department, Indiana National Guard, as the Assistant Adjutant General. Colonel Nicholas' service with the Regular Army and the National Guard has particularly fitted him for the position he now holds in this office. His familiarity with the duties of the Adjutant General Department renders him a most valued assistant to the Adjutant General and his long and efficient service a valued acquisition to the Indiana National Guard.

The Adjutant General desires to extend to the officials of the state government his sincere appreciation for the co-operation he has received from them.

The work of Major Albert T. Rich, Infantry, D. O. L., Senior Instructor of the Indiana National Guard and his assistants is greatly appreciated.

The work performed by the instructors and sergeant-instructors has received very favorable comment from the War Department and the Headquarters Fifth Corps Area. They have worked without regard to hours and have placed the Indiana National Guard on a firm, efficient standard which is second to none in the United States. They have been loyal, painstaking and energetic in all matters and the State of Indiana is extremely fortunate in having this splendid set of regular army men on duty with its National Guard.

INDIANA NATIONAL GUARD

Under the provisions of the Act of Congress, approved June 4, 1920, the State of Indiana was allotted the following National Guard units.

Division Troops

- | | |
|------------------------------------|---|
| 1 Headquarters, Infantry Brigade | 2 Motor Transport Companies |
| 1 Infantry Brigade | 1 Headquarters, Special Division Troops |
| 1 Field Artillery Regiment, 75 mm. | 1 Headquarters Detachment, Division |
| 1 Engineer Regiment, Combat | 2 Motor Repair Sections |
| 1 Headquarters, Medical Regiment | 1 Headquarters Company, Division |
| 1 Ambulance Company (Animal Drawn) | 1 Signal Company |
| 1 Ambulance Company (Motor Drawn) | 1 Motorcycle Company |
| 1 Medical Supply Section | 1 Ordnance Maintenance Company |
| 1 Medical Laboratory Section | |

Corps Troops

- | | |
|---|---|
| 1 Headquarters, Corps Artillery Brigade | 1 Corps Air Service |
| 1 Artillery Regiment (155mm. Howitzer) | 1 Headquarters, Special Corps Troops |
| 1 Artillery Battalion (155mm. Gun) | 1 Corps Headquarters Troop and Detachment |
| 1 Artillery Observation Battalion | |
| 1 Artillery Ammunition Train | |

Army Troops

- 1 Division Signal Troop (Cavalry Division)

G. H. Q. Reserve

- | | |
|-------------------------------------|-----------------------|
| 1 Artillery Regiment (75mm. Portee) | 1 Bridge Train, Heavy |
|-------------------------------------|-----------------------|

The State of Indiana was allowed five years in which to organize the above National Guard units.

The allotment to be completed by June 30, 1921, was as follows:

Division Troops

- | | |
|------------------------------------|-------------------------------------|
| 1 Infantry Regiment | 1 Ambulance Company (Motor Drawn) |
| 1 Engineer Battalion | 1 Field Artillery Battalion (75mm.) |
| 1 Signal Company, Divisional | 1 Motor Transport Company |
| 1 Ambulance Company (Animal Drawn) | |

Corps Troops

- 1 Artillery Regiment (155mm. Howitzers)

Authority was received from the Militia Bureau, War Department, Washington, D. C., to organize the following additional units by June 30, 1922.

Division Troops

- | | |
|--|---|
| 1 Headquarters, Infantry Brigade | 1 Service Battery, Field Artillery Regiment |
| 1 Headquarters Company, Infantry Brigade | 1 Headquarters, Engineer Regiment |
| 1 Infantry Regiment | 1 Headquarters Company, Engineer Regiment |
| 1 Headquarters, Field Artillery Regiment | 1 Service Company, Engineer Regiment |
| 1 Headquarters Battery, Field Artillery Regiment | 1 Engineer Battalion |

Corps Troops

- 1 Observation Squadron, Air Service

The Field Artillery Regiment, 75mm, was authorized, by the addition of necessary units to complete same, by the Militia Bureau, War Department, Washington, D. C., August 16, 1922.

On September 19, 1922, the corps troops were increased to include

- | | |
|----------------------------------|---------------------------|
| 1 Air Service Photograph Section | 1 Air Intelligence Office |
|----------------------------------|---------------------------|

On November 3, 1922, the following medical units were allotted to the state:

- | | |
|--------------------|----------------------|
| 1 Sanitary Company | 1 Veterinary Company |
|--------------------|----------------------|

The Indiana National Guard at the present time consists of the following:

Division Troops

- | | |
|--|---|
| 1 Headquarters, 76th Infantry Brigade | 1 Engineer Regiment, Combat, 113th Engineers |
| 1 Headquarters Company, 76th Infantry Brigade | 1 Medical Regiment, less 2 Hospital Companies, 113th Medical Regiment |
| 1 Infantry Brigade, 76th | 1 Motor Transport Company, 149th |
| 151st Infantry | 1 Signal Company, 38th Divisional |
| 152d Infantry | Company |
| 1 Field Artillery Regiment, 75mm., 139th F. A. | |

Corps Troops

- | | |
|---|----------------------------------|
| 1 Artillery Regiment, 155mm. Howitzers, 150th | 1 Air Service Photograph Section |
| 1 Observation Squadron, Air Service, 137th | 1 Air Intelligence Office |

State Administrative Staff

- | | |
|---------------------------------------|-----------------------|
| 1 Adjutant General's Department | 1 Quartermaster Corps |
| 1 Inspector General's Department | 1 Ordnance Department |
| 1 Judge Advocate General's Department | 1 Medical Department |

STRENGTH

November 30, 1921

Officers, 229; enlisted men, 4,297; total, 4,526.

November 30, 1922

Officers, 274; enlisted men, 4,539; total, 4,813.

The growth of the Indiana National Guard has been gradual. It would have been possible to have a much larger strength report were it not for the policy of this office to be especially careful in the selection of commissioned officers and enlisted men.

During the past year all officers in the Indiana National Guard have been examined by examining boards in compliance with paragraph 207, National Guard Regulations, 1922, and Circular Letter No. 43, Militia Bureau, dated May 16, 1922, as amended.

INDIANA NATIONAL GUARD

76TH INFANTRY BRIGADE

HEADQUARTERS

Name	Rank	Assignment	Federal Recognition	Station
William G. Everson	Brig. Gen.	Brigade Comdr.		Muncie
Louden A. Harriman	Major	Brig. Executive	June 22, 1922	Princeton
Edmund A. Ball	Captain	Adjutant	June 23, 1922	Muncie
Louis J. Koster	Captain	Intell. & Plans & Trn. Officer	June 10, 1922	Indianapolis
Paul A. Poock	1st Lieut.	Aide	Aug. 1, 1922	Muncie
Hillard A. Walmer	1st Lieut.	Aide		Culver

151ST INFANTRY

HEADQUARTERS

D. Wray DePrez	Colonel	Regtl. Comdr.	June 30, 1921	Shelbyville
Robert E. Tappan	Lt. Col.	Duty Hdqrs.	June 30, 1921	Indianapolis
Manford G. Henley	Major	M. G. Officer	June 22, 1921	Indianapolis
James V. Briggs	Captain	Adjutant	Jan. 1, 1922	Shelbyville
Lyman C. Murr	1st Lieut.	Chaplain	Dec. 31, 1921	Shelbyville
Plez R. Pettit	Captain	Supply Officer	June 30, 1921	Shelbyville
Earl E. Weimar	Captain	Plans and Trn. Off.	Oct. 2, 1922	Shelbyville
William P. Weimar	Captain	Intelligence Off.	June 30, 1921	Shelbyville

HEADQUARTERS COMPANY—SHELBYVILLE

William P. Weimar	Captain	June 30, 1921	Shelbyville
Ernest H. Weimar	2nd Lieut.	June 4, 1922	Shelbyville

SERVICE COMPANY—FRANKFORT

Walter S. Fowler	Captain	Nov. 1, 1922	Frankfort
Charles J. Hemmerling	1st Lieut.	May 8, 1922	Frankfort
John D. Friday	1st Lieut.	Oct. 2, 1922	Shelbyville
John F. Trimble	2nd Lieut.	Aug. 1, 1922	Morristown

HOWITZER COMPANY—PORTLAND

Ethan A. Fulton	Captain	June 25, 1921	Portland
Paul E. Elliott	1st Lieut.	June 25, 1921	Portland

FIRST BATTALION—INDIANAPOLIS

Albert H. Whitcomb	Major	Sept. 30, 1922	Indianapolis
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HEADQUARTERS COMPANY—INDIANAPOLIS

FIRST BATTALION

Burl Nicholson	1st Lieut.	Oct. 2, 1922	Indianapolis
Audley S. Dunham	2nd Lieut.	Feb. 1, 1922	Indianapolis

COMPANY A—SHELBYVILLE

George C. Rokobrant	Captain	Mar. 1, 1921	Shelbyville
Verne O. Keith	1st Lieut.	Jan. 1, 1922	Shelbyville
Ralph W. Miley	2nd Lieut.	Jan. 1, 1922	Shelbyville

COMPANY B—GREENSBURG

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Sanford S. Starks.....	Captain.....		June 15, 1922....	Greensburg
	1st Lieut.....			
Ross W. Reed.....	2nd Lieut.....		June 15, 1922....	Greensburg

COMPANY C—RUSHVILLE

William B. Brann.....	Captain.....		Sept. 22, 1921....	Rushville
Eli A. Kinney.....	1st Lieut.....		Nov. 29, 1921....	Rushville
William H. Hardwick.....	2nd Lieut.....		Nov. 30, 1921....	Rushville

COMPANY D (Machine Gun)—INDIANAPOLIS

Russell C. Lane.....	Captain.....		Oct. 2, 1922....	Indianapolis
Atlee P. Slentz.....	1st Lieut.....		Oct. 2, 1922....	Indianapolis
George L. Clendenen.....	2nd Lieut.....		June 14, 1921....	Indianapolis

SECOND BATTALION—FRANKFORT

Wendell B. Montgomery.....	Major.....		June 30, 1921....	Frankfort
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HEADQUARTERS COMPANY—COLFAX

SECOND BATTALION

John E. Gery.....	1st Lieut.....		Sept. 19, 1921....	Colfax
Earl W. Tankersley.....	2nd Lieut.....		Mar. 15, 1922....	Colfax

COMPANY E—DARLINGTON

Norman L. Thompson.....	Captain.....		June 15, 1922....	Darlington
Damon C. Wray.....	1st Lieut.....		June 14, 1922....	Darlington
Alva C. Warren.....	2nd Lieut.....		June 15, 1922....	Darlington

COMPANY F—FRANKFORT

Ralf C. Paddock.....	Captain.....		Nov. 17, 1921....	Frankfort
	1st Lieut.....			
George D. Washburn.....	2nd Lieut.....		Oct. 25, 1921....	Frankfort

COMPANY G—FLORA

Charles N. Wilson.....	Captain.....		May 1, 1922....	Flora
Robert W. Nimmons.....	1st Lieut.....		June 15, 1921....	Brighthurst
Russell L. Ledman.....	2nd Lieut.....		June 15, 1921....	Flora

COMPANY H—INDIANAPOLIS

(Machine Gun)

William H. Kleifgen.....	Captain.....		Apr. 26, 1921....	Indianapolis
Emmett S. Tolle.....	1st Lieut.....		Apr. 26, 1921....	Indianapolis
Arch D. Ball.....	2nd Lieut.....		Sept. 19, 1921....	Indianapolis

THIRD BATTALION—ATTICA

James E. Rodenbeck.....	Major.....		Apr. 24, 1922....	Attica
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HEADQUARTERS COMPANY—ATTICA

THIRD BATTALION

William H. White.....	1st Lieut.....		Aug. 31, 1921....	Attica
Fred M. Sellers.....	2nd Lieut.....		Aug. 31, 1921....	Attica

COMPANY I—TERRE HAUTE

Herman A. Collins.....	Captain.....			Terre Haute
Paul T. Talbott.....	1st Lieut.....			Terre Haute
	2nd Lieut.....			

COMPANY K—MARTINSVILLE

Roy Slough.....	Captain.....		Apr. 11, 1921....	Martinsville
Harry Wood.....	1st Lieut.....		Apr. 11, 1921....	Martinsville
Nelson E. Norman.....	2nd Lieut.....			Martinsville

COMPANY L—LADOGA

Bart McGuire.....	Captain.....		Feb. 2, 1921....	Ladoga
Carl H. Todd.....	1st Lieut.....		Jan. 1, 1922....	Ladoga
Harry V. Miles.....	2nd Lieut.....		Mar. 15, 1922....	Waveland

COMPANY M (Machine Gun)—INDIANAPOLIS

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Edwin C. Ball.....	Captain.....		June 21, 1921.....	Indianapolis
Barrett W. Ball.....	1st Lieut.....		Aug. 23, 1921.....	Indianapolis
	2nd Lieut.....			

MEDICAL DETACHMENT—COLUMBIA CITY

David S. Linvill.....	Major.....	M. C.....	May 19, 1921.....	Columbia City
Marshall B. Catlett.....	Captain.....	M. C.....	Sept. 20, 1922.....	Ft. Wayne
Daniel G. Mertz.....	Captain.....	D. C.....		Ft. Wayne

152ND INFANTRY

HEADQUARTERS

George H. Healey.....	Colonel.....	Regtl. Comdr.....	Nov. 15, 1921.....	Indianapolis
Clyde F. Dreisbach.....	Lt. Col.....	Duty Hdqrs.....	Feb. 8, 1922.....	Ft. Wayne
John B. Dilworth.....	Major.....	M. G. Officer.....	Mar. 2, 1922.....	Laporte
Thomas J. Bates.....	Captain.....	Adjutant.....	Nov. 15, 1921.....	Indianapolis
John T. Scull.....	Captain.....	Chaplain.....		Jeffersonville
William H. Sciscoe.....	Captain.....	Supply Officer.....	Nov. 15, 1921.....	Indianapolis
Robert L. Husson.....	Captain.....	Plans & Trn. Off.....	Apr. 14, 1922.....	Indianapolis
Fred C. Phinney.....	Captain.....	Intelligence Off.....	Oct. 18, 1921.....	Indianapolis

HEADQUARTERS COMPANY—INDIANAPOLIS

Fred C. Phinney.....	Captain.....		Oct. 18, 1921.....	Indianapolis
Walter H. Landreth.....	2nd Lieut.....		Feb. 9, 1922.....	Indianapolis

SERVICE COMPANY—PORTLAND

James L. Grisell.....	Captain.....		Feb. 17, 1922.....	Portland
Morris E. Stults.....	1st Lieut.....		Feb. 17, 1922.....	Portland
Leo L. Maxwell.....	1st Lieut.....		Feb. 17, 1922.....	Portland
Cecil D. Bosworth.....	2nd Lieut.....		Feb. 17, 1922.....	Portland

HOWITZER COMPANY—PORTLAND

Owen C. Ruley.....	Captain.....		Mar. 27, 1922.....	Portland
Vernie L. Frakes.....	1st Lieut.....		May 22, 1922.....	Portland

FIRST BATTALION—EVANSVILLE

Robert L. Stilwell.....	Major.....			Evansville
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HEADQUARTERS COMPANY—EVANSVILLE

FIRST BATTALION

LeeRoy M. Halverson.....	1st Lieut.....			Evansville
Virgil V. Hahne.....	2nd Lieut.....			Evansville

COMPANY A—EVANSVILLE

Ferdinand J. Huffman.....	Captain.....			Evansville
Clyde T. Baugh.....	1st Lieut.....			Evansville
Robert S. Creacy.....	2nd Lieut.....			Evansville

COMPANY B—NEW ALBANY

Samuel W. Walts.....	Captain.....		Oct. 3, 1921.....	New Albany
Raymond W. Renn.....	1st Lieut.....		May 2, 1922.....	New Albany
William C. Bates.....	2nd Lieut.....		June 17, 1922.....	New Albany

COMPANY C—SALEM

Byron R. Colglazier.....	Captain.....		Oct. 4, 1921.....	Salem
Ira H. VanCleave.....	1st Lieut.....		Oct. 4, 1921.....	Salem
Roger K. Voyles.....	2nd Lieut.....		May 19, 1922.....	Salem

COMPANY D (Machine Gun)—SOUTH BEND

John H. DeWitt.....	Captain.....		Nov. 16, 1922.....	South Bend
Walter P. Kamp.....	1st Lieut.....		Nov. 16, 1922.....	South Bend
A. Noel DuComb.....	2nd Lieut.....		Nov. 16, 1922.....	South Bend

SECOND BATTALION—TIPTON

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Cleon Wade Mount.....	Major.....		Oct. 7, 1921.....	Tipton

HEADQUARTERS COMPANY—TIPTON

SECOND BATTALION

Robert C. Williams.....	1st Lieut.....	Adjutant.....	Oct. 7, 1921.....	Tipton
Herbert R. Parsons.....	2nd Lieut.....		May 24, 1922.....	Tipton

COMPANY E—LAFAYETTE

.....	Captain.....			
Edward W. Billue.....	1st Lieut.....			Lafayette
Lawrence A. Underhill.....	2nd Lieut.....		Nov. 1, 1922.....	Lafayette

COMPANY F—DELPHI

James A. Whelan.....	Captain.....		Sept. 23, 1921.....	Delphi
Floyd W. Julian.....	1st Lieut.....		Sept. 23, 1921.....	Delphi
Leo S. Ulm.....	2nd Lieut.....		Oct. 7, 1922.....	Delphi

COMPANY G—NEWCASTLE

Jacob J. Pfenninger.....	Captain.....		Nov. 1, 1922.....	Newcastle
Murray Smith.....	1st Lieut.....		Nov. 8, 1921.....	Newcastle
Fred Sharp.....	2nd Lieut.....		Apr. 27, 1921.....	Newcastle

COMPANY H (Machine Gun)—ANDERSON

Esmond P. Hersberger.....	Captain.....		Feb. 23, 1922.....	Anderson
Raymond G. Swinford.....	1st Lieut.....			Anderson
.....	2nd Lieut.....			

THIRD BATTALION—GOSHEN

Henry W. Pease.....	Major.....		June 24, 1921.....	Goshen
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HEADQUARTERS COMPANY—GOSHEN

THIRD BATTALION

Howard R. Inebnit.....	1st Lieut.....	Adjutant.....	Apr. 27, 1922.....	Nappanee
Lloyd W. Slagle.....	2nd Lieut.....		June 22, 1922.....	Goshen

COMPANY I—MISHAWAKA

Corwin B. Hartwick.....	Captain.....		Sept. 14, 1921.....	Mishawaka
.....	1st Lieut.....			
Guy B. Martin.....	2nd Lieut.....			Mishawaka

COMPANY K—FORT WAYNE

Harl C. Bradley.....	Captain.....		May 20, 1921.....	Fort Wayne
John F. Houck.....	1st Lieut.....		May 20, 1921.....	Fort Wayne
Russell P. Rummel.....	2nd Lieut.....		June 17, 1922.....	Fort Wayne

COMPANY L—WARSAW

Lawrence O. Rarick.....	Captain.....		Nov. 7, 1921.....	Warsaw
John R. Steinbach.....	1st Lieut.....		Nov. 7, 1921.....	Warsaw
Loren N. Melick.....	2nd Lieut.....		Nov. 7, 1921.....	Warsaw

COMPANY M (Machine Gun)—JONESBORO

Paul A. Seiberling.....	Captain.....		Oct. 24, 1921.....	Jonesboro
Ovid L. Reeder.....	1st Lieut.....		Oct. 24, 1921.....	Marion
Walter J. Frame.....	2nd Lieut.....		Oct. 24, 1921.....	Jonesboro

MEDICAL DETACHMENT—RENSSELAER

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Ira M. Washburn.....	Major	M. C.	Oct. 14, 1921	Rensselaer
Merle D. Gwin.....	Captain	M. C.	Oct. 14, 1921	Rensselaer
Homer Spurgeon Hewitt.....	Captain	M. C.	Oct. 27, 1921	DeMotte
W. LeRoy Myer.....	Captain	D. C.	Oct. 14, 1921	Rensselaer
Sherman A. Pyfrin.....	1st Lieut.	D. C.	Oct. 14, 1921	Francisville

150TH FIELD ARTILLERY

HEADQUARTERS

Walter H. Unversaw.....	Colonel	Regtl. Comdr.	June 30, 1921	Kokomo
Alfred L. Moudy.....	Lt. Col.	Duty Hdqrs.	June 30, 1921	Waterloo
Glen R. Hillis.....	Captain	Adjutant	June 30, 1921	Kokomo
Phineas E. Greenwalt.....	Captain	Chaplain	July 6, 1921	Elwood
Alfred F. Brennan.....	Captain	Plans and Trn. Off.	Feb. 7, 1922	Kokomo
Mark A. Brown.....	1st Lieut.	Liaison	Aug. 13, 1922	Kokomo

HEADQUARTERS BATTERY—MUNCIE

Robert S. Miller.....	Captain		Nov. 13, 1922	Muncie
Harry J. Stoneberger.....	1st Lieut.		Nov. 4, 1922	Muncie

SERVICE BATTERY—MUNCIE

Guy I. Hagerty.....	Captain		July 25, 1921	Muncie
Jesse H. Townsend.....	1st Lieut.		Aug. 19, 1922	Muncie
Orrel M. Thompson.....	2nd Lieut.		May 27, 1921	Muncie
Charles G. Samuels.....	2nd Lieut.		June 28, 1922	Muncie

FIRST BATTALION—ANGOLA

Guy J. Shaughness.....	Major		June 30, 1921	Angola
Samuel A. Pence.....	Captain	Adjutant	June 30, 1921	Angola
Warren M. Purdy.....	1st. Lieut.	Plans and Trn. Off.	Apr. 19, 1922	Angola
Harry D. Wolfe.....	1st Lieut.	Liaison	June 30, 1921	Angola

HEADQUARTERS DETACHMENT AND COMBAT TRAIN—ANGOLA

FIRST BATTALION

Conway E. Yockey.....	Captain		Aug. 24, 1922	Angola
Kenneth B. Rathbun.....	2nd Lieut.		Apr. 19, 1922	Angola

BATTERY A—KOKOMO

Fred C. Goyer.....	Captain		July 9, 1921	Kokomo
Donald F. Hall.....	1st Lieut.		July 9, 1921	Kokomo
Oren K. Marquis.....	1st Lieut.		June 28, 1922	Kokomo
Clarence R. Werbe.....	2nd Lieut.		July 21, 1922	Kokomo

BATTERY B—ELWOOD

Eric E. Cox.....	Captain		June 30, 1921	Elwood
Joseph A. Bruce.....	1st Lieut.		June 30, 1921	Elwood
Fred G. Hileman.....	1st Lieut.		June 30, 1921	Elwood
Hastings A. Sites.....	2nd Lieut.		June 30, 1921	Elwood

SECOND BATTALION—BLOOMINGTON

Kenneth P. Williams.....	Major		June 23, 1921	Bloomington
Glen Burwell Woodward.....	1st Lieut.		Dec. 22, 1921	Bloomington
.....	1st Lieut.			
.....	1st Lieut.	Liaison		

HEADQUARTERS DETACHMENT AND COMBAT TRAIN—SPENCER

SECOND BATTALION

Lewis E. Hubbard.....	Captain		Oct. 1, 1922	Spencer
Scott W. Milligan.....	1st Lieut.		Oct. 1, 1922	Spencer
Harold J. Kolb.....	2nd Lieut.		Sept. 1, 1922	Bloomington

BATTERY C—LAFAYETTE

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Verne W. Schuessler.....	Captain.....		Feb. 20, 1921.....	Lafayette
Emmitt L. Penrod.....	1st Lieut.....		Feb. 20, 1921.....	Lafayette
Harold H. Keller.....	1st Lieut.....		July 14, 1922.....	Lafayette
Floyd Wrightsman.....	2nd Lieut.....		July 14 1922.....	Lafayette

BATTERY D—BLOOMINGTON

Ray E. Fultz.....	Captain.....		July 7, 1922.....	Bloomington
Osborne R. Thompson.....	1st Lieut.....		July 6, 1922.....	Bloomington
Paul Feltus.....	1st Lieut.....		July 20, 1922.....	Bloomington
Wilber S. Bradt.....	2nd Lieut.....		Oct. 1, 1922.....	Bloomington

THIRD BATTALION—MADISON

Horace O. Woolford.....	Major.....		June 30, 1921.....	Madison
Don L. Essex.....	Captain.....	Adjutant.....	June 30, 1921.....	Columbus
Noel C. Ruddell.....	1st Lieut.....		June 28, 1922.....	Evansville
.....	1st Lieut.....			
.....	1st Lieut.....			

HEADQUARTERS DETACHMENT AND COMBAT TRAIN—NORTH VERNON

THIRD BATTALION

Roger A. Tripp.....	Captain.....		Oct. 2, 1922.....	North Vernon
Floyd W. Potts.....	1st Lieut.....		Oct. 2, 1922.....	North Vernon
Harold R. Donnell.....	2nd Lieut.....		Oct. 2, 1922.....	North Vernon

BATTERY E—MADISON

Harry E. Wells.....	Captain.....		June 23, 1921.....	Madison
Howard N. Demaree.....	1st Lieut.....		April 1, 1921.....	Madison
Charles R. Klein.....	1st Lieut.....		June 23, 1921.....	Madison
.....	2nd Lieut.....			

BATTERY F—COLUMBUS

Floyd Anderson.....	Captain.....		June 30, 1921.....	Elizabethtown
Harry R. Lister.....	1st Lieut.....		June 30, 1921.....	Columbus
.....	1st Lieut.....			
.....	2nd Lieut.....			

MEDICAL DETACHMENT—SEYMOUR

Ephraim B. Chenoweth.....	Major.....	M. C.....	June 30, 1921.....	Seymour
Fred C. Denney.....	Captain.....	M. C.....	June 30, 1921.....	Madison
Scott W. Shields.....	Captain.....	D. C.....	June 6, 1922.....	Brownstown
Maurice McKain.....	1st Lieut.....	M. C.....	July 26, 1921.....	Brownstown

139TH FIELD ARTILLERY

HEADQUARTERS

John S. Fishback.....	Colonel.....	Regtl. Comdr.....	Nov. 13, 1922.....	Indianapolis
.....	Lt. Col.....			
Benjamin F. Claypool.....	Captain.....	Adjutant.....	Aug. 14, 1922.....	Indianapolis
.....	Captain.....			
Herschel R. Griffin.....	Captain.....	Chaplain.....		Indianapolis
Forrest H. Spencer.....	1st Lieut.....	Supply.....	Oct. 10, 1921.....	Indianapolis

HEADQUARTERS BATTERY—INDIANAPOLIS

Bryant W. Gillespie, Jr.....	Captain.....		Nov. 21, 1921.....	Indianapolis
Wilbur B. Morgan.....	1st Lieut.....		Feb. 16, 1922.....	Indianapolis

SERVICE BATTERY—INDIANAPOLIS

Theodore Taylor.....	Captain.....		Jan. 22, 1922.....	Indianapolis
Charles F. Seigrist.....	1st Lieut.....		Jan. 22, 1922.....	Indianapolis
Charles A. Broadhead.....	2nd Lieut.....		Jan. 22, 1922.....	Indianapolis
Jonas F. Prather.....	2nd Lieut.....		Jan. 22, 1922.....	Indianapolis

FIRST BATTALION—INDIANAPOLIS

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Thomas E. Hibben.....	Major.....		Nov. 13, 1922.....	Indianapolis
Ralph Gregory.....	Captain.....	Adjutant.....	Nov. 17, 1921.....	Indianapolis
Garrett W. Olds.....	1st Lieut.....	Plans and Tr. Off.....	Nov. 1, 1922.....	Indianapolis
James W. Craig.....	1st Lieut.....	Liaison.....	June 15, 1922.....	Indianapolis

HEADQUARTERS DETACHMENT AND COMBAT TRAIN—FRANKLIN

FIRST BATTALION

Paul O. Meridith.....	Captain.....	Oct. 19, 1922.....	Franklin
Dwight F. Heath.....	1st Lieut.....	Oct. 19, 1922.....	Franklin
Harold C. Crater.....	2nd Lieut.....	Oct. 19, 1922.....	Franklin

BATTERY A—INDIANAPOLIS

Elmer F. Straub.....	Captain.....	Nov. 13, 1922.....	Indianapolis
Cecil L. York.....	1st Lieut.....	June 6, 1921.....	Indianapolis
Gipson L. Hastings.....	1st Lieut.....	Oct. 18, 1922.....	Indianapolis
Rogers H. George.....	2nd Lieut.....	Sept. 1, 1922.....	Indianapolis

BATTERY B—NOBLESVILLE

Joseph L. Klotz.....	Captain.....	Oct. 25, 1921.....	Noblesville
Truman A. Tochtermann.....	1st Lieut.....	Oct. 25, 1921.....	Noblesville
Frederick A. Conkle.....	1st Lieut.....	May 20, 1922.....	Noblesville
John A. Harnish.....	2nd Lieut.....	June 6, 1922.....	Noblesville

BATTERY C—LEBANON

Virgil L. Eikenberry.....	Captain.....	Nov. 2, 1922.....	Lebanon
Claude R. Crooks.....	1st Lieut.....	Nov. 2, 1922.....	Lebanon
Fred Donaldson.....	1st Lieut.....	Nov. 3, 1922.....	Lebanon
Alfred D. Smith.....	2nd Lieut.....	Nov. 2, 1922.....	Lebanon

SECOND BATTALION—EVANSVILLE

Louis L. Roberts.....	Major.....	Oct. 5, 1921.....	Evansville
Owen H. Allen.....	1st Lieut.....	Oct. 5, 1921.....	Evansville
.....	1st Lieut.....	.....	.....
Arthur W. Wolfgang.....	2nd Lieut.....	Mar. 24, 1922.....	Evansville

HEADQUARTERS DETACHMENT AND COMBAT TRAIN

SECOND BATTALION

(Not Organized)

BATTERY D—PRINCETON

Ben H. Watt.....	Captain.....	June 23, 1922.....	Princeton
A. Dale Eby.....	1st Lieut.....	June 16, 1922.....	Princeton
Norman E. Hart.....	1st Lieut.....	.....	Princeton
Ralph Woods.....	2nd Lieut.....	.....	Princeton

BATTERY E—MOUNT VERNON

Philip E. Rowe.....	Captain.....	June 7, 1922.....	Mount Vernon
Ira V. Rothrock.....	1st Lieut.....	June 20, 1922.....	Mount Vernon
Gilbert F. Behrick.....	1st Lieut.....	Nov. 6, 1922.....	Mount Vernon
.....	2nd Lieut.....	.....	.....

BATTERY F—EVANSVILLE

William G. Downs.....	Captain.....	June 14, 1922.....	Evansville
Charles S. Manning.....	1st Lieut.....	July 7, 1922.....	Evansville
.....	1st Lieut.....	.....	.....
.....	2nd Lieut.....	.....	.....

MEDICAL DETACHMENT—PORTLAND

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Edgar R. Hiatt.....	Major.....	M. C.....	Mar. 27, 1922.....	Portland
Mark M. Moran.....	Captain.....	M. C.....	Jan. 10, 1922.....	Portland
Grover A. Smith.....	Captain.....	M. C.....	Mar. 16, 1922.....	Bryant
Lee E. Foster.....	1st Lieut.....	D. C.....	Jan. 10, 1922.....	Portland
Frank J. Muecke.....	1st Lieut.....	V. C.....	Dec. 1, 1921.....	Indianapolis

113TH ENGINEERS

HEADQUARTERS

Arthur P. Melton.....	Colonel.....	Jan. 23, 1922.....	Gary
.....	Captain.....		
Owen A. Curtis.....	1st Lieut.....	Feb. 7, 1922.....	Chesterton
Donald C. Ford.....	1st Lieut.....	Chaplain.....	Michigan City

HEADQUARTERS AND SERVICE COMPANY—GARY

Joseph V. Brennan.....	Captain.....	May 13, 1921.....	Gary
Raymond M. Jones.....	1st Lieut.....	June 26, 1922.....	Gary
John Yuhasz.....	1st Lieut.....	Jan. 18, 1922.....	Gary

FIRST BATTALION—GARY

Jacob T. Schless.....	Major.....	Jan. 23, 1922.....	Gary
.....	1st Lieut.....	Adjutant.....	

COMPANY A—GARY

.....	Captain.....		
Merchant H. Montross.....	1st Lieut.....	Jan. 18, 1922.....	Gary
Alex D. Torie.....	2nd Lieut.....	Jan. 28, 1922.....	Gary

COMPANY B—GARY

Frank L. Gray.....	Captain.....	Apr. 29, 1921.....	Gary
Otto L. Weber.....	1st Lieut.....	Jan. 27, 1922.....	Gary
George J. Schaefer.....	2nd Lieut.....	Feb. 7, 1922.....	Gary

COMPANY C—GARY

John R. Smith.....	Captain.....	Jan. 23, 1922.....	Gary
Hans H. Skabo.....	1st Lieut.....	Sept. 1, 1922.....	Gary
.....	2nd Lieut.....		

SECOND BATTALION—INDIANA HARBOR

Joseph M. Wallace.....	Major.....	June 6, 1922.....	Indiana Harbor
.....	1st Lieut.....	Adjutant.....	

COMPANY D—EAST CHICAGO

James C. Forbes.....	Captain.....	June 9, 1922.....	East Chicago
Richard O'Connell.....	1st Lieut.....	Sept. 1, 1922.....	East Chicago
Orlie T. McBride.....	2nd Lieut.....	Sept. 1, 1922.....	East Chicago

COMPANY E—EAST CHICAGO

Franklin Glenn.....	Captain.....	Jan. 7, 1922.....	East Chicago
David W. Williams.....	1st Lieut.....	Sept. 1, 1922.....	East Chicago
Frank H. Hart.....	2nd Lieut.....	Jan. 7, 1922.....	East Chicago

COMPANY F—WHITING

Claude P. McNeil.....	Captain.....	Jan. 14, 1922.....	Whiting
George E. Caswell.....	1st Lieut.....	Mar. 31, 1922.....	Whiting
Thomas E. Naef.....	2nd Lieut.....	Apr. 24, 1922.....	Whiting

MEDICAL DETACHMENT—GARY

Simon J. Young.....	Major.....	M. C.....	Jan. 18, 1922.....	Gary
Robert C. Hamilton.....	Captain.....	M. C.....	Jan. 18, 1922.....	Indiana Harbor
John F. Drummond.....	Captain.....	D. C.....	Jan. 18, 1922.....	Gary
Philip P. Forsberg.....	1st Lieut.....	V. C.....	Sept. 11, 1922.....	

38TH SIGNAL CORPS—GARY

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Lloyd H. Wade.....	Captain.....		Apr. 14, 1922.....	Gary
Oscar G. Bachman.....	1st Lieut.....		June 10, 1921.....	Gary
Herman L. Key.....	1st Lieut.....		June 2, 1922.....	Gary
Carl W. Lennertz.....	1st Lieut.....		June 7, 1922.....	Gary
Fred S. Feulner.....	2nd Lieut.....		June 3, 1922.....	Gary
Robert A. Miller.....	2nd Lieut.....			Gary

QUARTERMASTER CORPS

149TH MOTOR TRANSPORT CORPS—INDIANAPOLIS

Robert E. Bragg.....	1st Lieut.....	Oct. 1, 1921.....	Indianapolis
Norman L. Schoen.....	2nd Lieut.....	June 19, 1922.....	Indianapolis

137TH OBSERVATION SQUADRON—AIR SERVICE—KOKOMO

James C. Patten.....	Major.....	Nov. 1, 1922.....	Kokomo
Charles R. Bowers.....	Captain.....	Jan. 20, 1922.....	Kokomo
Benjamin R. Jacobi.....	Captain.....		Kokomo
Herbert E. Nelson.....	Captain.....		Frankfort
Hugh R. Perry.....	Captain.....		Kokomo
Frank W. Fisher.....	Captain.....		Frankfort
Lawrence I. Aretz.....	1st Lieut.....	Feb. 24, 1922.....	Kokomo
Stuart B. Davis.....	1st Lieut.....	Feb. 24, 1922.....	Kokomo
Benjamin A. Gentry.....	1st Lieut.....	Feb. 24, 1922.....	Greentown
Hollace E. Mayfield.....	1st Lieut.....	Feb. 24, 1922.....	Kokomo
Ralph C. Owen.....	1st Lieut.....	Aug. 1, 1921.....	Kokomo
Roy T. Rowney.....	1st Lieut.....	Feb. 24, 1922.....	Kokomo
Harold E. Smith.....	1st Lieut.....	Feb. 24, 1922.....	Kokomo
John W. Ziegler.....	1st Lieut.....	Aug. 1, 1921.....	Kokomo
Raphael R. Dieden.....	1st Lieut.....		Kokomo
Carl G. Yearling.....	1st Lieut.....		Kokomo
Lee N. Brutus.....	1st Lieut.....		Kokomo
Ralph J. Lockwood.....	1st Lieut.....		Kokomo
Leon K. Lindahl.....	2nd Lieut.....	Feb. 7, 1922.....	Kokomo
Elmer C. Rowe.....	2nd Lieut.....	Feb. 7, 1922.....	Kokomo
Clyde Schockley.....	2nd Lieut.....	Aug. 1, 1921.....	Kokomo
Harrie C. Pierce.....	2nd Lieut.....	Mar. 13, 1922.....	Kokomo
Herman G. Albrecht.....	2nd Lieut.....		Kokomo
Malcom C. Woodward.....	2nd Lieut.....		Kokomo
Raymond A. Williams.....	2nd Lieut.....		Kokomo

AMBULANCE CORPS

137TH AMBULANCE COMPANY, M. D.—MARION

Otis W. McQuown.....	Captain.....	July 22, 1921.....	Marion
Leon C. Hummel.....	1st Lieut.....		Marion

STATE ADMINISTRATIVE STAFF CORPS

ADJUTANT GENERAL'S DEPARTMENT

Harry B. Smith.....	Brig. Gen....	Adj. General.....	July 1, 1921.....	Indianapolis
Edwin L. Nicholas.....	Lt. Col.....	Asst. Adj. Gen.....	Oct. 1, 1922.....	Indianapolis

INSPECTOR GENERAL'S DEPARTMENT

Basil Middleton.....	Lt. Col.....	Inspector Gen.....	Dec. 2, 1921.....	Culver
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JUDGE ADVOCATE GENERAL'S DEPARTMENT

Gideon W. Blain.....	Lt. Col.....	Judge Advocate.....	Dec. 3, 1921.....	Indianapolis
Clarence C. Wysong.....	Captain.....	Judge Advocate.....	Jan. 13, 1922.....	Indianapolis

QUARTERMASTER CORPS

<i>Name</i>	<i>Rank</i>	<i>Assignment</i>	<i>Federal Recognition</i>	<i>Station</i>
Will O. Jericho.....	Lt. Col.....	U. S. P. & D. Off.....	Dec. 12, 1921.....	Indianapolis
Robert J. Axtell.....	Major.....	Q. M. C.....	Jan. 11, 1922.....	Indianapolis
George R. Gawehn.....	Captain.....	Q. M. C.....	Dec. 1, 1921.....	Fort Wayne
Charles A. Tennant.....	1st Lieut.....	Q. M. C.....		Indianapolis

ORDNANCE DEPARTMENT

Milo D. Snyder.....	Lt. Col.....	Ordnance Off.....	Jan. 13, 1922.....	Cromwell
Albert Black.....	1st Lieut.....	Ordnance Off.....	Apr. 19, 1922.....	Albion

MEDICAL DEPARTMENT

John J. Boaz.....	Lt. Col.....	Chief Surgeon.....	Dec. 16, 1921.....	Indianapolis
William G. Culloden.....	Captain.....	M. C.....	Dec. 16, 1921.....	Indianapolis

INSTRUCTION AND TRAINING

The instruction and training of the Indiana National Guard is under the supervision of officers and non-commissioned officers detailed from the Regular Army under the provisions of Section 100, National Defense Act, approved June 3, 1916, as amended by Act of Congress, approved June 4, 1920.

REGULAR ARMY PERSONNEL:

SENIOR STATE INSTRUCTOR

Indianapolis	Major Albert T. Rich, Infantry, D. O. L.	Reported February 2, 1921
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INSTRUCTORS AND SERGEANT INSTRUCTORS

Infantry

Indianapolis	Major Albert T. Rich, Infantry, D. O. L.	Reported February 2, 1921
Indianapolis	Captain Eugene N. Slappey, Inf., D. O. L.	Reported June 12, 1922
Shelbyville	Captain Davis H. Estill, Inf., D. O. L.	Reported June 7, 1922
Indianapolis	Captain Henry P. Hallowell, Inf., D. O. L.	Reported June 26, 1922
Indianapolis	Tech. Sergt. Bert Cordle, Inf., D. E. M. L.	Reported March 3, 1921
Indianapolis	Stf. Sergt. Michael F. Scully, Inf., D. E. M. L.	Reported March 8, 1921
Indianapolis	Sergt. Bert A. Boyer, Inf., D. E. M. L.	Reported November 5, 1921
Portland	Sergt. Fred Dankert, Inf., D. E. M. L.	Reported August 22, 1921
South Bend	Sergt. Lee C. Steele, Inf., D. E. M. L.	Reported October 11, 1921
Frankfort	Sergt. Bine Plunkett, Inf., D. E. M. L.	Reported April 19, 1922

Field Artillery

Indianapolis	Major Ray W. Barker, F. A., D. O. L.	Reported November 17, 1921
Indianapolis	Captain Frederic H. Timmerman, F. A., D. O. L.	Reported September 22, 1922
Indianapolis	Staff Sergt. George E. Grace, F. A., D. E. M. L.	Reported September 20, 1921
Indianapolis	Sergt. Knox B. Chadwell, F. A., D. E. M. L.	Reported October 7, 1921
Evansville	Sergt. William A. Sebastian, F. A., D. E. M. L.	Reported October 24, 1921
Kokomo	Sergt. Ennis G. Ballew, F. A., D. E. M. L.	Reported October 16, 1922

Medical

Indianapolis	Major Larry B. McAfee, M. C., D. O. L.	Reported March 28, 1922
Indianapolis	Sergt. William T. Hanlon, M. D., D. E. M. L.	Reported July 6, 1922

Engineers

Gary	1st Lieut. Clarence N. Iry, C. E., D. O. L.	Reported November 20, 1922
Gary	Srgt. James M. Meehan, C. E., D. E. M. L.	Reported March 25, 1922

Air Service

Kokomo	Captain William F. Donnelly, A. S., D. O. L.	Reported April 12, 1922
Kokomo	Sergt. Lonnie M. Johnson, A. S., D. E. M. L.	Reported October 21, 1922

Signal Corps

Gary	Sergt. Frank O. Stallings, S. C., D. E. M. L.	Reported October 5, 1922
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PERSONNEL RELIEVED FROM DUTY WITH NATIONAL GUARD

Field Artillery

Indianapolis	Sergt. Sigmond Jakuboski, F. A., D. E. M. L.	Relieved September 12, 1922
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Engineers

Gary	Major Tattall D. Simkins, C. E., D. O. L.	Relieved June 10, 1922
Gary	Captain John A. Strang, C. E., D. O. L.	Relieved November 15, 1922

The progress made in the instruction and training of the Indiana National Guard has been very satisfactory. The officers and enlisted men have taken great interest in the work required and the splendid efficiency standard of the guard this year is due to a great extent to the individual efforts of all connected therewith.

This year has seen many new methods established occasioned by the frequent changes in instruction schedules received from the Militia Bureau. Notwithstanding the many conflicting and confusing orders received, the Indiana National Guard has moved steadily on towards efficiency in every branch of the military service.

A great deal of attention has been devoted to the armory instruction. This has been handicapped in many instances by the inadequate facilities at the disposal of the organization commanders. Every opportunity to improve the efficiency and morale of the personnel of the organization has been taken by the organization commanders and it is believed they are second to none where earnest endeavors are concerned. This has been demonstrated by the splendid showing made and the marked improvement observed in the armory instruction.

Officers' and non-commissioned officers' schools have been held weekly together with a very extensive correspondence course inaugurated by the War Department for the theoretical training of the National Guard. Every officer in the Indiana National Guard has been enrolled in this course and the progress made is very gratifying to this office.

During the Spring of 1922, schools for the various branches were held in different parts of the state, together with several conferences held at Indianapolis.

There is a spirit of co-operation existing throughout the Indiana National Guard which assists very materially in the work of keeping the strength up to the required number and the efficiency up to the required quality.

The work of the instructors and sergeant-instructors detailed from the Regular Army with the Indiana National Guard is very satisfactory. All of these officers and men have the keenest interest in their work and are of the utmost value in that they have worked in harmony and accord with this office in every particular. The State of Indiana is very fortunate in having these officers and men detailed in the state and the splendid efficiency standing of the Indiana National Guard is due to a great extent to their efforts.

The duty performed by the Indiana National Guard at Camp Knox, Kentucky, during the Summer of 1922, is clearly indicative of the earnest efforts of the organization commanders during the armory training period. The record made by the officers and men is worthy of special mention. The following communication received soon after the comple-

tion of the training period last Summer clearly indicates the appreciation of the Regular Army officers for the work of the Indiana National Guard.

HEADQUARTERS, FIFTH CORPS AREA

Office of the Corps Area Commander

COLUMBUS BARRACKS, OHIO,

September 21, 1922.

The Adjutant General,
Indiana National Guard,
Indianapolis, Indiana.

1. The commanding general heartily concurs in the following from the report of the Commandant of the Training Center at Camp Knox:

"6. Finally it is desired to commend the high morale and spirit of co-operation that existed in all National Guard organizations that took their training at Camp Knox this year. The very satisfactory results obtained are largely due to this spirit which was apparent among both officers and enlisted men in all commands."

(Signed) DWIGHT E. AULTMAN,
Brigadier General, U. S. A., Commanding.

2. It is a source of great satisfaction that the policy of the War Department has received such loyal support on the part of the National Guard, and that we have in reality, as well as in policy, one army.

For and in the absence of the Corps Area Commander.

C. H. BRIDGES, Chief of Staff.

INDIANA NATIONAL GUARD

It was very gratifying to this office to receive on August 1, 1922, the notification that the 151st Infantry, Indiana National Guard had received first place in the camp for sanitary conditions of the area occupied by the unit. The commendatory letter of the Senior Instructor, Indiana National Guard follows:

OFFICE OF THE SENIOR-INSTRUCTOR

Infantry Camp, Indiana National Guard,
Camp Knox, Kentucky.

Inreply refer to:

NG-330. 13-Ind.

ATR/bc.

August 1, 1922.

Subject: Sanitary Report.

To: Organization Commanders, 151st Infantry,
(Thru C. O., 151st Infantry.)

1. The following Weekly Sanitary Report of the Military Reservation at Camp Knox, Kentucky, was received this date and is published for the information of all concerned.

STATION HOSPITAL
Camp Knox, Kentucky

July 29, 1922.

WEEKLY SANITARY REPORT

Regiments.	1	2	3	4	5	6	7
151st Infantry, I. N. G.....	88	84	85	88	88	86.6	1
139th Field Art., I. N. G.....	85	84	85	90	88	86.4	2
150th Field Art., I. N. G.....	85	84	85	88	88	86.0	3
11th Infantry	85	85	90	85	85	86.0	3
10th Infantry	85	84	90	85	85	85.8	4
3rd Field Artillery.....	85	84	90	85	85	85.8	4

Official (Hospital Seal.)

M. A. W. SHOCKLEY, Surgeon.

2. It is very gratifying to this office and should be a source of pride in the 151st Infantry to know that the earnest efforts put forth by each officer and man of the regiment during the trying week when this camp was organized, has resulted in such a splendid showing against not only National Guard units but also those of the Regular Army already located in this area.

3. Special commendation should be given to First Lieutenant Walter S. Fowler, 151st Infantry and the men of the Transportation Platoon, Service Company, 151st Infantry under his command, for their assistance in collecting and disposing of the trash accumulated in the camp.

ALBERT T. RICH,

Major, Infantry, D. O. L.,

Senior-Instructor, Indiana National Guard.

Note:—

- 1.—Area.
- 2.—Kitchens.
- 3.—Latrines.
- 4.—Barracks.
- 5.—Stables, shops and warehouses.
- 6.—Average.
- 7.—Rating.

RIFLE PRACTICE

A very marked improvement has been made in rifle practice in the Indiana National Guard during the past year. At the commencement of the year it was concluded by this office that a thorough study of the fundamental principles of both rifle and pistol marksmanship by the members of the National Guard should be the first object in view. Upon the completion of this study an opportunity would be given for qualified men to shoot on the target range. The commanding officers have entered into the work of instructing their units with a spirit which is worthy of special mention. Realizing that instead of expending all of their efforts in perfecting a certain few men in marksmanship, their efforts were towards affording all members an opportunity of obtaining the fundamental principles through careful and constant instruction.

The record made this year by the Indiana National Guard is not as high as former years but the theoretical knowledge of rifle and pistol marksmanship has greatly increased. The benefits to be derived from this system of thorough instruction will be noticed during the coming year.

Rapid strides are being made in the construction of target ranges throughout the state. A ten target range has been constructed at Frankfort where it will be possible to hold battalion tests and instruction practice. This range has been very highly commended by officers of the Regular Army. It is anticipated that this range will be extensively used in the future.

The members of the 76th Infantry Brigade were handicapped during the record practice at Camp Knox, Kentucky, held in connection with the National Guard training period in July and August, 1922. The 151st Infantry was withdrawn from Camp Knox on August 1st to do strike duty in and around Staunton, Indiana, before that organization had completed the record practice. The following is the record of the brigade:

151ST INFANTRY

Number qualifying as Expert Riflemen.....	None
Number qualifying as Sharpshooters	10
Number qualifying as Marksmen	8
Percentage of total firing who qualified.....	.077
Highest company and its percentage, Company I.....	.12
Total number of men firing record course.....	232

152D INFANTRY

Number qualifying as Expert Riflemen.....	7
Number qualifying as Sharpshooters.....	13
Number qualifying as Marksmen.....	53
Percentage of total firing who qualified.....	.088
Highest company, Company F, percentage.....	.16
Total number of men firing record course.....	830

The Regimental Commander, 152d Infantry, authorized the awarding of certain prizes for excellency in rifle and pistol firing. This proved an incentive and aroused a spirit of friendly rivalry in the regiment. The following memorandum was issued from the regimental headquarters immediately after the completion of the target practice.

HEADQUARTERS 152D INFANTRY

Office of the Regimental Commander

215 State House,
Indianapolis, Indiana,
August 15, 1922.

MEMORANDUM:

1. The following standing in the figure of merit in rifle firing of the rifle companies of the regiment is furnished for the information of all concerned.

The figure was arrived at by multiplying the number of experts by 65; the number of sharpshooters by 60; the number of marksmen by 50; those firing, but not qualifying, by 30; and those not firing by 0.

Then the sum was divided by the number in each company who should have fired.

Place	Company	Average
1	F	31.78
2	L	31.67
3	Hd. Co., 3d Bn.	31.32
4	I	30.52
5	C	29.55
6	K	29.31
7	A	29.21
8	E	28.89
9	Hd. Co., 2d Bn.	27.86
10	B	27.35
11	G	24.57
12	Hd. Co., 1st Bn.	20.89

2. The cup to be furnished by the committee from the funds provided by officers, is awarded to Company F, Delphi, Indiana.

3. The individual rifle awards will go to:

1st. Sergeant William Nassenstein, Company K.

2d. Sergeant Roy L. Kent, Company F.

3d. Sergeant Vaughn L. Hunter, Company F.

The individual pistol award will go to Sergeant Frank Hartleroad, Company M.

By order of the Regimental Commander,

THOMAS J. BATES, Adjutant.

The indoor target practice is being taken up very extensively by all of the units of the National Guard with satisfactory results. Ranges have been installed in the armories and the men have demonstrated great interest in this work.

Difficulty was experienced in the organization and training of the Indiana National Guard Rifle Team for the National Rifle Match held at Camp Perry, Ohio, this year. It was doubtful for some time whether the authority would be granted by the Militia Bureau and when, on August 28, 1922, this authority was received by this office several of the more experienced shooting members of the team were unable to attend because of business reasons. The selection of the members of the team by competition was impossible as it was necessary to report at Camp Perry on September 2, 1922. The matter was placed in the hands of the State Board for the Promotion of Rifle Practice and the organization commanders were asked to make recommendations. Based on these recommendations the team members were selected although there were several men who had never shot on a rifle team before. Considering the unforeseen difficulties encountered and the limited time available for practice, the Indiana National Guard Rifle Team made a very creditable showing although it did not receive as high a standing as did the team in 1921.

STATE OF INDIANA

Office of The Adjutant General,
Indianapolis, August 28, 1922.

GENERAL ORDERS

No. 39.

1. For the purpose of instruction in rifle practice and to promote military efficiency, in compliance with Circular Letter No. 38, Militia Bureau, dated Washington, May 4, 1922, and Bulletin No. 12, War Department, dated Washington, July 27, 1922, the following officers and enlisted men of the Indiana National Guard will proceed to Camp Perry, Ohio, to represent the state in matches and in national rifle competitions to be held September 2-28, both inclusive:

TEAM OFFICERS

Team Captain

Lt. Col. Basil Middleton.....State Staff Corps.....Culver, Ind.

Team Members

Capt. George R. Gawehn.....	State Staff Corps.....	Ft. Wayne, Ind.
Capt. Jerry B. Garland.....	113th Engrs.....	Gary, Ind.
Capt. Lawrence O. Rarick.....	Co. L, 152d Inf.....	Warsaw, Ind.
1st Lt. Albert Black.....	State Staff Corps.....	Albion, Ind.
1st Lt. John J. Houck.....	Co. K, 152d Inf.....	Ft. Wayne, Ind.
1st Lt. Barrett W. Ball.....	Co. M, 151st Inf.....	Indianapolis, Ind.
1st Lt. C. J. Hemmerling.....	Co. F, 151st Inf.....	Frankfort, Ind.
1st Lt. Herman A. Collins.....	Co. I, 151st Inf.....	Terre Haute, Ind.
Sgt. Frank W. Foote.....	Ordnance Corps.....	Albion, Ind.
Sgt. Roy L. Kent.....	Co. F, 152d Inf.....	Delphi, Ind.
Sgt. William L. Chapman.....	Hq. Co., 3d Bn., 152d Inf.....	Goshen, Ind.
Pvt. Ralph D. Sigler.....	Co. L, 152d Inf.....	Warsaw, Ind.
Pvt. William I. Barrett.....	Ordnance Corps.....	Albion, Ind.

Extra Competitors

Lt. Col. Milo D. Snyder.....	State Staff Corps.....	Cromwell, Ind.
Major Manford G. Henley.....	151st Inf.....	Indianapolis, Ind.
Capt. Robert L. Stilwell.....	Co. A, 152d Inf.....	Evansville, Ind.
Sgt. Frank G. Hartleroad.....	Co. M, 152d Inf.....	Jonesboro, Ind.

2. The members of the team will leave their home stations for the competitions and for preliminary practice on or about September 2, 1922, and will return to their home stations immediately after the competitions in the National Team Match.

3. A badge will be given to each officer, shooting member and alternate of the team who participates in the national competitions.

4. The team captain will direct the entry of the team members in such matches of the National Rifle Association as is deemed advisable.

5. The travel, pay and other expenses enjoined is necessary in the military service of the state.

By direction of the Governor.

HARRY B. SMITH,
The Adjutant General.

NATIONAL RIFLE TEAM MATCH

49 TEAMS ENTERED

1	U. S. Marine Corps.....	2848
2	U. S. Infantry.....	2838
3	Coast Artillery Corps.....	2824
4	U. S. Navy.....	2814
5	Cavalry-Engineers.....	2813
6	Massachusetts National Guard.....	2800
7	Illinois Civilian.....	2762
8	New York National Guard.....	2745
9	Pennsylvania National Guard.....	2738
10	9th Corps Area C. M. T. C.....	2730
11	Washington National Guard.....	2728
12	8th Corps Area C. M. T. C.....	2728
13	District of Columbia National Guard.....	2725
14	California National Guard.....	2719
15	Iowa National Guard.....	2718
16	INDIANA NATIONAL GUARD.....	2718

1st Lieutenant Barret W. Ball, 151st Infantry was one of the high men in this match making a total score of 291 out of a possible 300.

MEMBERS' MATCH

WINNING SCORE 50 plus 9 5s

619 ENTRIES

33	Captain Jerry B. Garland, 113th Eng.....	49.....Tied for 19th Place
102	Black, Albert, 1st Lt. Ord.....	48.....Tied for 62d Place
144	Collins, Hermann A., 1st Lt., 151st Inf.....	47.....Tied for 139th Place
146	Henley, Manford G., Major, 151st Inf.....	47.....Tied for 139th Place

200 YARD RAPID FIRE MATCH

WINNING SCORE 50-50-49-48

577 ENTRIES

6	Hauck, J. F., 1st Lt., 152d Inf.....	Bronze Medal.....50-50-46
44	Footo, F. W., Sgt. Ord.....	50-47
124	Henley, M. F., Major, 151st Inf.....	50-43.....Tied for 119th Place

OFF HAND MATCH

WINNING SCORE 94

500 ENTRIES

40	Footo, F. W., Sgt., O. D.....	90.....Tied for 38th Place
52	Houck, J. F., 1st Lt., 152d Inf.....	90.....Tied for 38th Place
73	Snyder, M. D., Lt. Col., O. D.....	89.....Tied for 70th Place
97	Henley, M. G., Major, 151st Inf.....	89.....Tied for 70th Place
85	Watson, H. C., Pvt., 152d Inf.....	89.....Tied for 70th Place

500 YARDS RAPID FIRE MATCH

WINNING SCORE 50-49

520 ENTRIES

32	Garland, J. B., Capt., 113th Eng.....	48.....Tied for 27th Place
41	Watson, H. C., Pvt., 152d Inf.....	48.....Tied for 27th Place
59	Snyder, M. D., Lt. Col., Ord.....	47.....Tied for 54th Place
107	Collins, H. A., 1st Lt., 151st Inf.....	46.....Tied for 92d Place

LEECH CUP MATCH

WINNING SCORE 105-10 5s

589 ENTRIES

67	Collins, H. A., 1st Lt., 151st Inf.....	100.....Tied for 62d Place
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300 YARDS RAPID FIRE

WINNING SCORE 50-50

580 ENTRIES

27	Chapman, W. L., Sgt., 152d Inf.....	50-45
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INDIVIDUAL CIV. CLUB MEMBERS MATCH

WINNING SCORE 97

85 ENTRIES

1	Gawehn, G. R., Captain, Q. M. C.....	Gold Medal.....97
4	Snyder, M. D., Lt. Col., Ord.....	Bronze Medal.....95.....Tied for 3d Place
10	Houck, J. F., 1st Lt., 152d Inf.....	Bronze Medal.....93.....Tied for 6th Place
12	Henley, M. G., Major, 151st Inf.....	Tyro Medal.....92.....Tied for 11th Place
15	Watson, H. C., Pvt., 152d Inf.....	91

MARINE CORPS MATCH

WINNING SCORE 196

590 ENTRIES

27	Ball, Barret, W., 1st Lt., 151st Inf.....	193.....Tied for 18th Place
48	Henley, M. G., Major, 151st Inf.....	191

PRESIDENT'S MATCH

WINNING SCORE 191

678 ENTRIES

79	Snyder, M. D., Lt. Col., O. D.....	Badge.....182.....Tied for 68th Place
84	Houck, J. F., 1st Lt., 152d Inf.....	Badge.....182.....Tied for 68th Place
140	Ball, Barret W., 1st Lt., 151st Inf.....	178.....Tied for 122d Place

CAMP PERRY INSTRUCTORS' MATCH

WINNING SCORE 138

125 ENTRIES

14	Gawehn, G. R., Captain, Q. M. C.....	131
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WIMBERTON CUP MATCH		WINNING SCORE 100	497 ENTRIES (Service Rifle)
7	Gawehn, G. R., Captain, Q. M. C.	Bronze Medal..... 97	
89	Black, A., 1st Lt., Ord.	..... 93	Tied for 74th Place
94	Hartleroad, F. G., 1st Sgt., 152d Inf.	..... 93	Tied for 74th Place
117	Watson, H. C., Pvt., 152d Inf.	..... 91	

INTERNATIONAL DEWAR SMALL-BORE TEAM (Try-out)		WINNING SCORE 778	SELECTED ENTRIES
15	Snyder, M. D., Lt. Col., Ord.	..... 764	
25	Gawehn, G. R., Captain, Q. M. C.	..... 760	
34	Houck, J. F., 1st Lt., 152d Inf.	..... 754	
46	Black, A., 1st Lt., Ord.	..... 744	
63	Henley, M. G., Major, 151st Inf.	..... 713	

Colonel Snyder and Captain Gawehn were selected as members of the American Team which defeated the English Team. Captain Gawehn was high man on the team with a score of 390 and Colonel Snyder was thirteenth with a score of 384.

SMALL-BORE RE-ENTRY COMPETITION		50 YARD SWEEPSTAKES	WINNING SCORE 100
14	Houck, J. F., 1st Lt., 152d Inf.	..... 99	Tied for 7th Place
HERRICK TROPHY MATCH		WINNING SCORE 1775	29 TEAMS ENTERED
12	Indiana National Guard.	..... 1669	
A. E. F. ROUMANIAN TROPHY MATCH		WINNING SCORE 849	22 TEAMS ENTERED
6	Indiana National Guard.	..... 829	
N. R. A. PISTOL TEAM MATCH		WINNING SCORE 1231	8 TEAMS ENTERED
7	Indiana National Guard.	..... 1103	
NATIONAL INDIVIDUAL PISTOL MATCH		WINNING SCORE 265	119 ENTRIES
11	Snyder, M. D., Lt. Col., Ord.	Gold Medal*..... 250	
21	Gawehn, G. R., Captain, Q. M. C.	Silver Medal..... 242	Tied for 19th Place
44	Garland, J. B., Capt., 113th Eng.	Bronze Medal..... 235	

*Colonel Snyder has won a gold medal five consecutive years.

NATIONAL PISTOL TEAM MATCH		WINNING SCORE 1236	11 TEAMS ENTERED
5	Indiana National Guard.	Badges..... 1133	

UNITED SERVICE MATCH

This match consists of teams selected from the Regular Army, Marine Corps, and the National Guard. Colonel M. D. Snyder, Ord. Dept, Indiana National Guard shot as a member of the National Guard Team and was the high score member of the team, making a score of 287 which was within two points of the highest score made in the match.

ALL-ROUND CHAMPIONSHIP MATCH		WINNING SCORE 880	41 ENTRIES
2	Garland, J. B., Capt., 113th Eng.	Bronze Medal..... 860	
4	Snyder, M. D., Lt. Col., Ord.	Bronze Medal..... 849	
6	Houck, J. F., 1st Lt., 152d Inf.	Bronze Medal..... 827	
9	Henley, M. G., Major, 151st Inf.	Bronze Medal..... 803	

This includes matches in the service rifle, small-bore rifle, shot-gun and pistol.

CAMP PERRY SHOT-GUN CHAMPIONSHIP		WINNING SCORE 89	17 ENTRIES
2	Houck, J. F., 1st Lt., 152d Inf.	Bronze Medal..... 85	
10	Garland, J. B., Captain, 113th Eng.	Bronze Medal..... 72	
14	Snyder, M. D., Lt. Col., Ord.	..... 62	

THE GRAND AGGREGATE (Small Bore)		WINNING SCORE 682	
3	Snyder, M. D., Lt. Col., Ord.	Bronze Medal..... 681	
7	Houck, J. F., 1st Lt., 152d Inf.	Bronze Medal..... 678	Tied for 6th Place
10	Garland, J. B., Capt., 113th Eng.	Bronze Medal..... 676	

MARINE CORPS SMALL-BORE MATCH		WINNING SCORE 199	
1	Houck, J. F., 1st Lt., 152d Inf.	Bronze Medal..... 199	
5	Gawehn, G. R., Captain, Q. M. C.	Bronze Medal..... 196	

NATIONAL INDIVIDUAL SMALL-BORE MATCH		WINNING SCORE 395	
1	Houck, J. F., 1st Lt., 152d Inf.	Gold Medal..... 395	
2	Garland, J. B., Capt., 113th Eng.	Bronze Medal..... 391	
4	Snyder, M. D., Lt. Col., Ord.	Bronze Medal..... 389	

100 YARDS SWEEPSTAKES		WINNING SCORE 99	
2	Houck, J. F., 1st Lt., 152d Inf.	99	Tied for 1st Place
10	Gawehn, G. R., Captain, Q. M. C.	98	Tied for 5th Place
11	Garland, J. B., Capt., 113th Eng.	98	Tied for 5th Place
OFF-HAND SWEEPSTAKES		WINNING SCORE 91	
5	Houck, J. F., 1st Lt., 152d Inf.	87	
50 YARDS SWEEPSTAKES		WINNING SCORE 100	
16	Houck, J. F., 1st Lt., 152d Inf.	99	Tied for 7th Place

CLOTHING AND EQUIPMENT

The clothing and equipment for the Indiana National Guard is complete and in a splendid condition. The requisitions are filled promptly by the War Department. The organization commanders are becoming acquainted with the regulations pertaining to the care and preservation of same and also to the proper methods of accounting for same. This office has recently secured the services of a retired non-commissioned officer of the Regular Army whose duties are to oversee the filing of all requisitions, auditing the accounts of all organizations and to attend to all work relative to both state and government property. The growth of the Indiana National Guard has required additional assistants in the office of the Adjutant General in order to keep the records up to date. The work of this year, as far as the property is concerned has increased many fold over that of last year. The property received from the War Department is valued at several million dollars, and as the state is directly responsible for the same, it has been necessary to adopt new methods and to keep the check in a manner similar to the Regular Army. The organization commanders are fully informed and are extremely careful with all property issued to them. There have been several robberies throughout the state owing to the necessity of dispensing with caretakers for the armories and the use of temporary buildings for storing the property. With the construction of new and substantial buildings as armories in the stations of the guard the loss from fire or theft will be greatly reduced. The presence of civilian stores in practically all of the towns and cities in Indiana where articles of army use are sold prevents the recovery of a great deal of the stolen property.

The clothing and equipment received from the War Department has been received in a very good condition although it has been necessary at times to change articles of salvage inadvertently included with the issue at the War Department depots.

ARMORIES

The progress of the Indiana National Guard has been handicapped by the lack of suitable armories. The great quantity of Federal property issued to the guard and the increase in the duty required of the organizations required better facilities than heretofore provided. It is, therefore, necessary to provide buildings commensurate with the local conditions. The armory question throughout the State of Indiana is a serious one, and has necessitated the selection of certain officers to serve on what is known as the Armory Board. At the present time this board consists of the following members:

The Governor of Indiana.

The Lieutenant Governor of Indiana.

The Adjutant General of Indiana.

Brigadier General Charles A. Garrard, I. N. G. (retired).

Major General Robert H. Tyndall, I. N. G.

Colonel D. Wray De Prez, 151st Infantry, I. N. G.

Major Wendell B. Montgomery, 151st Infantry, I. N. G.

Pay:

The members of the Indiana National Guard receive pay from both the War Department and the State of Indiana.

Under the provisions of Circular Letter No. 79, Militia Bureau, War Department, Washington, D. C., dated October 2, 1922, the dates of payment of Federal pay were changed from December 31 and June 30 to March 31, June 30, September 30 and December 31. The state pay is received semi-annually.

Service Schools:

The Secretary of War has authorized selected officers of the National Guard to attend the various Regular Army Service Schools. The following officers of the Indiana National Guard attended these schools during the past year.

Infantry School, Fort Benning, Georgia.

Class of 1921-22—

Captain James V. Briggs, 151st Infantry.

First Lieut. William H. White, 151st Infantry.

Class of 1922-23, in session—

Captain William H. Kleifgen, 151st Infantry.

Captain William H. Sciscoe, 152d Infantry.

First Lieut. Ovid L. Reeder, 152d Infantry.

Signal School, Camp Vail, New Jersey.

First Lieut. Oscar G. Bachman, 38th Signal Co.

General Staff College, Washington, D. C.

Colonel George H. Healey, 152d Infantry.

General Staff, War Department, Washington, D. C. In session.

Colonel George H. Healey, 152d Infantry.

Field Service:

On August, 1922, the Governor of Indiana ordered the 151st Infantry, Motor Transport Company No. 149 Q. M. C., 38th Divisional Signal Company and the State Administrative Staff of the Indiana National Guard into field service in compliance with the following proclamation:

PROCLAMATION

WHEREAS, It has been made to appear to my satisfaction as Governor of the State of Indiana, that at various points in the state, particularly in the locality where coal mines are situated as hereinafter referred to, there exists considerable feeling against the operation of mines while the strike called by the United Mine Workers of America is still pending; and

WHEREAS, According to reliable information received, many men threaten by force or violence to break or resist the laws of this state and the laws of the United States for the purpose of preventing the mining and marketing of coal for the use of citizens of this state, in consequence of which the coal mining industry in the State of Indiana has become paralyzed and industrial activities dependent on coal have been interrupted, and inconvenience and distress threaten the public generally for the want of necessary fuel to supply the state institutions, public utilities and the domestic demands of our people; and

WHEREAS, It also has been made to appear to my satisfaction that the ordinary civil authorities will be unable to prevent the said threatened acts of force and violence, and that in the process of the opening of the mines and the resumption of mining activities in order to provide coal for the citizens of said state as aforesaid, a state of insurrection will arise;

Now, therefore, I, Warren T. McCray, Governor of the State of Indiana, and commander-in-chief of the military forces thereof, by virtue of the authority vested in me by the Constitution and laws of said state, do hereby proclaim and declare a state of martial law to exist in the following territory, to wit: The towns of Staunton, Cloverland, Williamstown and Turner, and also adjacent territory included in sections 3 to 24 both inclusive, in Posey Township, Clay County, State of Indiana, and I do hereby command all turbulent and disorderly persons to immediately disperse and repair peaceably to their respective homes and hereafter submit themselves to the lawfully constituted authorities, and I do hereby invoke the aid and co-operation of all good citizens of said towns, county and state to uphold the laws and preserve the public peace thereof.

In Testimony Whereof, I have hereunto set my hand as Governor and Commander-in-Chief of the military forces of said state, and caused to be affixed the Great Seal of said state this 2d day of August, 1922.

WARREN T. MCCRAY,
Governor of the State of Indiana,
Commander-in-Chief of the Military Forces.

The field forces were commanded by Major General Robert H. Tyndall, Indiana National Guard and remained in active operations until August 19, 1922.

The work performed by the troops on this duty reflected great credit on all concerned and the morale effect was very valuable to the civilian population of this state. The conduct of the members of the guard during their trying days is worthy of special commendation and is appreciated by this office. The troops covered a territory of twenty-six square miles and established a guard line around this territory of one hundred and fifty-two miles.

On August 13, 1922, this office received the following communication from the Governor of Indiana.

STATE OF INDIANA
Executive Department,
Indianapolis.
Aug. 13, 1922.

Harry B. Smith, Adjutant General,
State of Indiana,
State House, Indianapolis, Indiana.
My Dear General Smith:

Before the instance is closed and our appreciation of the critical and perilous times through which we have just passed is forgotten, and our feelings are again dulled by the regular routine of normalcy, I wish to thank you from the bottom of my heart for your unswerving loyalty, your fidelity to duty, and your sacred regard for the maintenance of the laws of your state and country.

Had I not felt sure of just such devotedness on your part, which you have so splendidly exemplified throughout the railroad and coal strikes, I doubtless would have hesitated to have carried out my wishes, but with such loyal and efficient help that I have received through you and your department, the success of our undertaking is not at all strange or unusual.

Assuring you of my highest regard and best wishes and again thanking you personally as well as in the name of the state, I am,

Very truly yours,

WARREN T. McCRAY,
Governor of Indiana.

PROCLAMATION

WHEREAS, the necessity has now passed which impelled me to place troops in an area known as the Staunton fields, to wit: The towns of Staunton, Cloverland, Williamstown and Turner, and also adjacent territory included in sections 3 to 24 both inclusive, in Posey Township, Clay County, State of Indiana, and in which a state of martial law was declared to exist on August 2, 1922; and

WHEREAS, normal coal production will soon be resumed in Indiana and assurances are given that sufficient quantities of coal will be forthcoming to fully meet the requirements of the state institutions, and, therefore, that necessity for martial law no longer exists;

Now, Therefore, I, Warren T. McCray, Governor of the State of Indiana, and Commander-in-Chief of the military forces thereof, by virtue of the power and authority vested in me by the Constitution and laws of said state, do hereby proclaim and declare that the territory hereinbefore described, over which such military law was established, is now and shall be released from a state of martial law beginning at six o'clock, p. m., Saturday, August 19, 1922.

In Testimony Whereof, I have hereunto set my hand as Governor and Commander-in-Chief of the military forces of said state, and caused to be affixed the Great Seal of the State of Indiana, and the Capitol, in

the city of Indianapolis, this 19th day of August, 1922.

WARREN T. McCRAY,

Governor of the State of Indiana,
Commander-in-Chief of the Military Forces.

ANNUAL APPROPRIATION

The appropriation of 1921-22 was the same as the former militia appropriation but which had been reduced on the advice of the writer for the years 1918-19, 1920-21. The increase in the expenditure was due very largely to the fact that the National Guard had more than doubled in numbers, necessitating the expenditure of a larger amount of money for semi-annual pay rolls, rent of armories, care-takers, armory maintenance, physical examinations, equipment, transportation, freight and drayage, etc., telephone and telegrams and expense of U. S. Instructors.

There has been a decrease in the office expenses (employees), warehouse employees, camp payrolls, printing, stationery, office supplies, organization expenses, postage, publications, rifle competitions and miscellaneous expenditures.

Practically eighty per cent of the service records for enlisted men who saw service in the World War from Indiana, have been received at this office and are now being indexed and made a part of the permanent records of this office. The records of the officers from Indiana who saw service in the World War have been received and are practically completed for all officers whose names begin with the letter A, B, C, D, E, and a part of F. In addition to the above, we have received many records of officers, and these are being compiled just the same as the records of the enlisted men.

During the past year, a card index has been completed of the members of the National Guard of Indiana who saw service on the Mexican border, the Mexican war of 1846-47-48, and the record of all the National Guard from Indiana who saw service in the Spanish-American War, with the exception of two organizations. It is hoped to complete the service records of all soldiers from Indiana during the coming year.

The detail of the operations of this office has been completed and filed with the proper authorities for publication in the Year Book.

FINANCIAL STATEMENT

The following is the financial statement of the funds appropriated for and expended by the Adjutant General for the year ending Sept. 30, 1922. This report also shows the amount of money collected and returned to the State of Indiana.

SALARIES

Appropriation	\$10,100 00
Adjutant General	\$5,000 00
Chief Clerk, A. G. O.	1,175 00
Stenographer, A. G. O.	900 00
Additional Stenographer, A. G. O.	900 00
Clerk, Quartermaster Department.....	1,200 00

Stenographer, Quartermaster Department.....	900 00	
	<hr/>	
	\$10,075 00	
Balance reverted to state.....	25 00	
	<hr/>	
	\$10,100 00	\$10,100 00

INDIANA MILITIA FUND

Appropriation	\$200,000 00
Transferred to the State Treas. by Quietus Nos. 21149 and 22141.....	1,838 95
	<hr/>
	\$201,838 95

Expenditures

Additional Employes	\$6,274 73
Warehouse Employes	550 00
Camp Payrolls	23,570 67
Semi-annual Payrolls	14,239 90
Rent of Armories.....	46,742 07
Caretakers	17,121 12
Armory Maintenance	17,476 00
Physical Examinations	4,149 00
Equipment	27,576 52
Transportation	18,763 64
Freight, Drayage and Express.....	7,608 50
Printing, Stationery and Office Supplies.....	3,303 99
Telephone and Telegraph.....	1,632 19
Organization Expenses	1,334 06
Postage	21 09
Publications	235 00
U. S. Instructors' Expense.....	1,356 71
Rifle Competition	2,728 42
Miscellaneous	7,053 21
	<hr/>
	\$201,736 82
Balance reverted to state.....	102 13
	<hr/>
	\$201,838 95
	<hr/>
	\$201,838 95

SOLDIERS' RECORD FUND

Appropriation	\$3,000 00
Nov. 30, 1921, Clerical Work.....	\$275 00
Dec. 15, 1921, Clerical Work.....	50 00
Dec. 31, 1921, Clerical Work.....	276 88
Jan. 31, 1922, Clerical Work.....	249 00
Feb. 28, 1922, Clerical Work.....	200 00
Feb. 28, 1922, Supplies.....	24 00
Mar. 31, 1922, Clerical Work.....	200 00
Apr. 29, 1922, Clerical Work.....	292 00
May 31, 1922, Clerical Work.....	236 00
June 30, 1922, Clerical Work.....	200 00
July 31, 1922, Clerical Work.....	200 00
Aug. 31, 1922, Clerical Work.....	200 00
Sept. 30, 1922, Clerical Work.....	455 00
	<hr/>
	\$2,857 88
Balance reverted to state.....	142 12
	<hr/>
	\$3,000 00
	<hr/>
	\$3,000 00

SOLDIERS' RECORD FUND—Postage

Appropriation	\$1,200 00
Jan. 3, 1922, Stamps.....	\$200 00

Feb. 14, 1922, Stamps.....	200 00
Apr. 15, 1922, Stamps.....	200 00
June 2, 1922, Stamps.....	200 00
July 8, 1922, Stamps.....	200 00
Aug. 24, 1922, Stamps.....	200 00

	\$1,200 00	\$1,200 00
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RIOT DUTY

Riot Fund		\$52,176 13
Payrolls for Riot Duty.....	\$34,002 85	
Subsistence	9,008 96	
Transportation	2,503 60	
Freight and Drayage.....	1,355 27	
Equipment	4,409 10	
Printing and Stationery.....	30 08	
Telephone and Telegraph.....	72 64	
Miscellaneous	702 53	

\$52,085 03

Transferred to the state treas. by Quietus No. 22133.....	91 10
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	\$52,176 13	\$52,176 13
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GOVERNOR'S CIVIL MILITARY AND CONTINGENT FUND

Oct. 12, 1921, Service Employes Miners' Strike.....	\$527 40
Nov. 2, 1921, Payroll Co. "G" Ind. Nat. Guard, Semi-annual period ending June 30, 1917	152 90
	\$680 30

REPORT OF THE BOARD OF PUBLIC PRINTING

MEMBERS OF BOARD

WARREN T. McCRAY, Governor.
ED JACKSON, Secretary of State.
WM. G. OLIVER, Auditor of State.
WILL H. ADAMS, Reporter Supreme Court.
GEORGE H. HEALEY, Clerk.
WALTER L. BURNS, Assistant Clerk.

Under the provisions of an act of the General Assembly, approved March 10, 1921, the Board of Public Printing let contracts for state and institutional printing, binding and stationery for two years, dating from December 2, 1921. This report, however, covers a period operating under the law of 1915 and under the contracts let for the period from December 2, 1919, to December 1, 1923.

The Board of Public Printing meets each month to pass upon bills which have previously been audited by the clerk of the board and transact such other business as properly comes before the board. All requisitions for printing paid for by the state are made to the board of printing and after being approved by the clerk are sent to the proper contractor to be filled, and upon completion and delivery of such work are audited under the contract. All printing, binding, stationery and supplies authorized to be paid for out of the State Printing Fund are charged against the annual appropriation of \$60,000, while all institutional printing, binding, stationery and supplies are charged to the printing account of the institution.

The Supreme and Appellate Court reports, both new and reprints, are ordered through the clerk of the board.

Following is a report of the receipts and disbursements of this board for the fiscal year ending September 30, 1922:

PRINTING FUND EXPENDITURES

Appropriation for salaries.....	\$5,400 00
Salary of Clerk.....	\$2,700 00
Salary of Assistant Clerk.....	1,800 00
Salary of Messenger.....	900 00
	<hr/>
	\$5,400 00
Office Expense	
Appropriation available	\$300 00
Disbursements	252 56
	<hr/>
Balance reverting to General Fund.....	\$47 44

PRINTING FUND

RECEIPTS

Appropriation available October 1, 1921.....	\$60,000 00
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BOARD OF PUBLIC PRINTING

825

DISBURSEMENTS

State requisitions	\$23,176 20
Unexpended balance September 30, 1922.....	36,823 80
	<hr/> \$60,000 00

DETAILED DISBURSEMENTS

Auditor of State.....	\$1,055 74
Attorney-General	2,008 76
Advertising (legal)	174 94
Board of Accounts.....	1,693 64
Board of State Charities (bulletins).....	2,882 84
Board of Medical Registration and Examination.....	279 66
Board of Pardons.....	217 53
Board of Public Printing.....	1,335 04
Court, Appellate	433 06
Court, Supreme	447 84
Clerk Supreme and Appellate Courts.....	470 14
Horticultural Society (bulletins).....	304 65
Industrial Aid for Blind (report).....	128 57
House Journal (regular session 1921).....	3,296 29
Senate Journal (regular session 1921).....	3,070 60
Law Library	509 80
Reporter Supreme and Appellate Courts.....	61 60
Secretary of State.....	1,246 80
Superintendent of Public Instruction.....	1,721 22
State Library	571 03
Superintendent of Building and Grounds.....	12 10
Treasurer of State.....	392 68
The Governor	1,231 11
Miscellaneous expenditures	130 56
	<hr/> \$23,176 20

DISBURSEMENTS OF BOARDS AND INSTITUTIONS

Board of Industrial Aid for Blind.....	\$400 64
Department of Banking.....	726 92
Department of Insurance.....	3,410 67
School for Feeble-Minded Youth.....	229 42
Farm Colony for Feeble-Minded Youth.....	141 57
Board of Election Commissioners.....	2,882 48
Food and Drug Commission (oil inspection).....	128 85
Board of Agriculture	5,969 98
Board of Charities	949 42
Board of Education	9,403 30
Board of Education, Teachers' Retirement	950 42
Board of Embalmers	12 70
Board of Health	9,554 32
Industrial Board	3,480 80
Board of Nurses	403 82
Conservation Commission	3,756 32
Employment Commission	117 94
Highway Commission	6,873 24
Historical Commission	2,413 37
Public Library Commission	992 81
Public Service Commission	2,655 79
Indiana University	9,266 44
Robert W. Long Hospital.....	819 42
Indiana University School of Medicine.....	1,639 10
State Normal School.....	12,032 17
Indiana Boys' School	436 08
Indiana Girls' School	885 57
State Penal Farm.....	228 19

Woman's Prison	227 30
Indiana Reformatory, Jeffersonville.....	457 04
Indiana Reformatory, Pendleton.....	248 26
Legislative Printing, special session, December, 1921—	
House	\$78 63
Senate	30 00
Central Hospital Insane.....	108 63
Eastern Hospital Insane.....	1,796 75
Northern Hospital Insane.....	836 45
Southern Hospital Insane.....	981 55
Southeastern Hospital Insane.....	609 49
State Sanitarium	1,077 39
School for Blind	604 79
School for Deaf	586 12
Village for Epileptics.....	303 85
Corn Growers' Association.....	448 67
Dairy Association	307 11
Live Stock Breeders' Association.....	302 45
Automobile Department, Secretary of State.....	241 24
Governor's Year Book.....	11,950 02
Board of Optometry.....	11,137 12
State Fire Marshal.....	19 48
Board of Tax Commissioners.....	441 27
Battle Flag Commission.....	4,700 85
Horticultural Society	4 76
Joint Purchasing Committee.....	90 43
Legislative Reference Bureau.....	635 81
Adjutant General	174 53
State Library	2,470 25
Soldiers' and Sailors' Monument.....	1,408 12
State Soldiers' Home	299 88
Juvenile Probation Officer.....	75 84
Board of Pharmacy.....	245 15
Securities Commission	167 54
Indiana World War Memorial Commission.....	1,053 24
Board of Engineers.....	219 01
Live Stock Sanitary Board.....	1,719 06
Grand Army of the Republic.....	763 27
Academy of Science (report 1921)	498 24
Indiana Sate Prison.....	1,080 17
Co-operative Crop Reporting Service.....	548 57
Soldiers' and Sailors' Orphans' Home.....	427 16
	385 45
	<hr/>
	\$130,414 06
SUPREME AND APPELLATE COURT REPORTS	
Appellate Court Report, Vol. 70, 1,200 copies.....	\$2,946 53
Supreme Court Report, Vol. 189, 1,500 copies.....	3,242 02
Appellate Court Report, Vol. 71, 1,200 copies.....	2,717 25
Appellate Court Report, Vol. 72, 1,200 copies.....	2,917 37
	<hr/>
	\$11,823 17
RECAPITULATION	
Printing for state departments.....	\$23,176 20
Printing for state boards and institutions.....	130,414 06
Printing court reports	11,823 17
	<hr/>
Total	\$165,413 43

REPORT OF THE STATE BOARD OF ELECTION COMMISSIONERS

MEMBERS OF THE BOARD

WARREN T. McCRAY, Governor, President of the Board.

MAURICE E. TENNANT, Republican Member.

WILLIAM W. SPENCER, Democratic Member.

GEORGE H. HEALEY, Clerk.

WALTER L. BURNS and

ED. D. DONNELL, Assistant Clerks.

The State Board of Election Commissioners is composed of the Governor, who is ex-officio president of the board, and one republican and one democrat, who are appointed by the Governor upon the recommendation of the republican and democratic state chairmen.

It is the duty of the board to have printed and distributed to the several counties the state election ballots under the direct supervision of the clerk of the board. In preparation for this work the clerk, with a force of assistants, gathers from the counties the necessary statistics on which to base the number of ballots required. The clerk of the Circuit Court in each county makes an estimate of the number of voters in each precinct in his county, and on this estimate the clerk of the board adds 25 per cent as required by law. Each clerk of the Circuit Court also estimates the number of absent voters' ballots required for his county.

Under the present law it is necessary for the county clerks to make two trips for ballots at general elections, the first trip being for absent voters' ballots and the second for precinct ballots and supplies for the election within the county, which incurs an additional expense to the counties as well as the state.

The ballots are counted, wrapped, sealed and boxed for shipment in the corridors of the State Capitol, and a force of clerks, counters, wrappers, sealers and watchmen is required to do the necessary work. The surplus ballots are held in reserve for emergency, and are constantly watched by responsible watchmen, one each of the two dominant parties, and at six o'clock on the night of election are burned under the supervision of the election board and its clerk.

As this report is for the fiscal year ending September 30, 1922, and the general election is held November 7, 1922, it is impossible to give a detailed expense in this report for such election, but up to this time, as shown by requisitions and vouchers on file in the Auditor of State's office, there has been expended for printing, supplies and assistants, \$3,203.48.

REPORT OF INDIANA UNIVERSITY

TRUSTEES

BENJAMIN F. LONG, Logansport.
EDWIN CORR, Bloomington.
SAMUEL E. SMITH, Richmond.
IRA C. BATMAN, Bloomington.
FRANK H. HATFIELD, Evansville.
JAMES W. FESLER, Indianapolis.
CHARLES M. NIEZER, Fort Wayne.
GEORGE BALL, Muncie.
WM. LOWE BRYAN, President.

Indiana University, head of the common school system of the state, was founded at Bloomington in 1820.

The laws for the establishment of the university date back to the early history of the United States. The ordinance of 1787 reserved the sixteenth section of every township of public land "for the maintenance of public schools within said township," and declared that "religion, morality and knowledge being necessary to good government and the happiness of mankind, schools and the means of education shall be forever encouraged."

The enabling act of Congress authorizing the formation of a state government for Indiana, contained, among other items, the grant of an entire township to be designated by the President of the United States for the use of a seminary of learning. The convention which framed the constitution under which Indiana was admitted as a state accepted the grants of Congress and pledged that the ordinance should forever remain irrevocable and inviolate, thus pledging the state to cherish and sustain the institution thus founded. This same convention, as further endorsement of the broad plan, declared in the constitution (Article IX, Section 2), that "it shall be the duty of the General Assembly, as soon as circumstances will permit, to provide by law for a general system of education, ascending in regular gradation from township schools to a state university, wherein tuition shall be gratis, and equally open to all." In accordance with this provision, the General Assembly, by an act passed and approved January 20, 1820, took the first definite step toward the establishment of Indiana University, and as a result the Indiana Seminary was opened on May 1, 1824.

Reverend Baynard R. Hall, an alumnus of Union College and Princeton Theological Seminary, was for three years the only instructor in the new educational institution, and the only subjects taught were Latin and Greek. The number of students during the first year was ten; the second, fifteen, and the third, twenty-one. The seminary made such progress in numbers and general character of its work that a Board of Visitors, appointed by the General Assembly in 1827, recommended that the Indiana Seminary be raised to the dignity of a college. On January 28,

1828, this recommendation was enacted into law. The continued growth and increased numbers of the institution led the General Assembly in 1838 to confer upon it the name and style of Indiana University.

In 1829, a preparatory school was established to supply, at least in part, the lack of secondary schools in the state. This school continued to 1890, when it was believed that the presence of the high schools throughout the state rendered its continuance unnecessary.

The annual attendance in Indiana University prior to 1850 ranged from ten in 1824 (the opening year) to one hundred and fifteen in 1848. From 1850 to 1884 the smallest attendance in the University was forty-eight in 1853, the largest, one hundred and ninety, in 1881. The remarkable growth in the last twenty-five years is shown by the following five-year table:

1897.....	944
1902.....	1,334
1907.....	1,830
1912.....	2,524
1917.....	3,089
1922.....	4,258

From the above table it will be seen that the attendance has increased about five-fold during the last twenty-five years. The enrollment has more than trebled during the twenty-one years of President Bryan's administration.

The first class graduated from Indiana University in 1830, when four persons received their degrees. Since that time 9,735 degrees have been conferred by Indiana University. The number of persons who graduated last year was 518.

Doctor William Lowe Bryan is president of the university. He is the tenth in line of succession. In chronological order the list of presidents is as follows: Andrew Wylie, D.D., 1829-51; Alfred Ryors, D.D., 1852-53; William Mitchel Daily, D.D., LL.D., 1853-59; John Hiram Lathrop, LL.D., 1859-60; Cyrus Nutt, D.D., LL.D., 1860-75; Lemuel Moss, D.D., 1875-84; David Starr Jordan, Ph.D., LL.D., 1884-91; John Merle Coulter, Ph.D., LL.D., 1891-93; Joseph Swain, M.S., LL.D., 1893-1902; William Lowe Bryan, Ph.D., LL.D., since 1902.

Admission to the university was, until the college year 1867-68, restricted to men, but by a resolution of the Board of Trustees the doors of the university were, at the beginning of that year, opened to women on the same terms. Since 1867, therefore, the university has been co-educational in all its departments.

Indiana University was one of the first educational institutions of the country to adopt the elective course of study. This system is designed to secure a fundamental uniformity in the work of all students, and, at the same time, be flexible and adaptable to the vocational needs of individuals. An equal amount of preparation for admission—graduation from a commissioned high school or its equivalent—is required of all students. All must take a group of similar prescribed studies, all must follow some special line of study for three or four years, and all students meeting the university requirements are graduated with the degree of Bachelor of Arts or Bachelor of Science. At the same time,

the student is granted great freedom in the selection of his studies, the educational value of the element of personal choice being fully recognized.

The Board of Trustees is composed of eight members, five of whom are selected by the State Board of Education, and three by the alumni of the institution. The membership of the board at present is as follows: J. W. Fesler, Indianapolis, president; Dr. S. E. Smith, Richmond, vice-president; Edwin Corr, Bloomington, treasurer; Ira C. Batman, Bloomington; Frank H. Hatfield, Evansville; Benjamin F. Long, Logansport; George A. Ball, Muncie, and Charles M. Niezer, Fort Wayne. John W. Cravens is secretary to the board.

The university consists of the College of Arts and Sciences, the School of Education, the School of Law, the School of Medicine, the School of Commerce and Finance, the Graduate School, the School of Music and the Extension Division. In the combined faculties outside the School of Medicine, there are 177 members. In the School of Medicine there are 58 members, making a total of 238. Exclusive of the professional schools there are twenty-eight departments as follows: Anatomy, Astronomy, Botany, Chemistry, Comparative Philology, Economics and Sociology, English, Fine Arts, Geology, German, Greek, History, Home Economics, Hygiene, Journalism, Latin, Mathematics, Military Science and Tactics, Physical Education for Men, Physical Education for Women, Physics, Physiology, Political Science, Psychology and Philosophy, Romance Languages, Social Service, Vocational Education and Zoölogy.

The School of Law was established in 1842. This was, it is believed, the first state university law school established west of the Alleghenies. Lack of funds resulted, in the year 1877, in the suspension of the law school, which continued for twelve years. With this exception the School of Law has been in continuous operation since 1842. The school is a member of the American Bar Association. The School of Law requires two years of collegiate work as a preparation for entrance, after which its curriculum covers three years and leads to the degree Bachelor of Laws.

The School of Medicine was organized in 1903 and offers a full four-year course. The work is given at Bloomington and Indianapolis. The steps in the development of Indiana University School of Medicine will be evident from the following historical statement:

The Medical College of Indiana, located at Indianapolis, was organized in 1859.

The Central College of Physicians and Surgeons, located at Indianapolis, was organized in 1879.

The Fort Wayne College of Medicine, located at Fort Wayne, Indiana, was organized in 1879.

The Indiana University School of Medicine, located at Bloomington, Indiana, was organized in 1903.

The State College of Physicians and Surgeons, located at Indianapolis, was organized in 1906.

In September, 1905, the Medical College of Indiana, the Central College of Physicians and Surgeons, and the Fort Wayne College of Medi-

cine, merged under the name of Indiana Medical College, the School of Medicine of Purdue University.

In the summer of 1907, the Indiana University School of Medicine and the State College of Physicians and Surgeons united under the name and style of the Indiana University School of Medicine.

In April, 1908, negotiations were completed whereby the Indiana Medical College should be united with the Indiana University School of Medicine.

The Indiana University School of Medicine represents the union of all the medical interests formerly represented in the schools named above. Three large buildings, which are used exclusively for medical work, are located at Indianapolis. One of these—the college building—is on the corner of Senate avenue and Market street. The others—the Robert W. Long hospital, and a large well-equipped building which was completed in 1919, and used for administrative purposes, recitations, laboratory work and cafeteria—are on West Michigan street. The James Whitcomb Riley Memorial Hospital for Children is now in course of construction. The contract for the first unit was let August 7, 1922. A campaign to raise \$700,000 for the use and benefit of this hospital is now in progress. The Long Hospital is the gift of Doctor and Mrs. Robert W. Long, of Indianapolis, and cost \$200,000. It is regarded as one of the finest and best-equipped buildings of its kind in the United States. The work in the School of Medicine is of an unusually high grade, and the institution has the harmonious support of the medical profession of the state. The Carnegie Foundation for the Advancement of Teaching, in one of its recent publications, states that "Indiana is one of the few states that have successfully solved the problem of medical education."

In connection with the School of Medicine a School for Nurses is maintained at the Robert W. Long Hospital at Indianapolis. The academic requirements for admission are the same as for the College of Arts and Sciences.

The Graduate School was organized in 1904 and furnishes opportunity for advanced work leading to careers in higher education and numerous lines of original research. The degrees granted are Master of Arts and Doctor of Philosophy. Last year there were 279 students in this school alone.

The School of Education, established in 1908, is among the leading schools of the country. This school includes the work in Home Economics and Vocational Education.

The summer term is an integral part of the University. It began as a private enterprise in 1890 with an attendance of thirty-one students. Later, it was made a part of the regular university work. The enrollment gradually grew, and in 1906 passed the 1,000 mark. Since that time the enrollment has been as high as 1,949, which makes Indiana University's summer school one of the largest in the United States.

The School of Music was authorized in March, 1921, and the work began with the school year beginning August 1.

The Extension Division was established in 1912. The purpose of this feature is to make the teaching of the university more available to the people of the State, "to bring the university to the people where the

people cannot come to the university." The work of this division consists at present of four parts: (1) Correspondence study. In this field members of the University faculty prepare courses similar and equivalent to the courses offered in the class room. These courses are then administered by correspondence. (2) Class instruction and service. In this field the Extension Division furnished from the faculty or elsewhere lecturers for single numbers or for courses and for regular extension classes. (3) Debating and public discussion. In this field, questions suitable for debate in high schools and literary societies are suggested and material furnished from which the debaters may prepare their arguments. (4) General information and welfare. In this field the division is prepared to furnish information on almost any subject. Community institutes, somewhat on the plan of county teachers' institutes, or farmers' institutes, in demonstration campaigns are arranged to cover such questions as health, economy, business and community improvement. Industrial surveys of a community are made with a view of helping the community to improve its schools, library facilities, streets, parks, lights, or other public service. Pictures and slides are loaned for free exhibition to schools, churches and libraries, and conferences on scientific subjects or subjects connected with the general welfare are held. The Extension Division has expanded rapidly.

Another line of work which has recently been adopted by the university is that of journalism. This school is one of the pioneers, and was a success from the start. A part of one of the buildings has been set aside for the use of this department. A complete printing outfit has been installed, and the department, in addition to publishing the Daily Student, does a large part of the University printing. The editors of the state have shown a deep interest in the work, and the graduates and students of the school are in demand for positions on the various newspapers of the country.

The School of Commerce and Finance is one of the late additions to the university's activities. In 1902, a two-year commercial course was established at Indiana University. In June, 1919, the Board of Trustees authorized a course in commerce covering four years. The rapid expansion of business in recent years has placed on the universities the duty of giving students systematic preparation for a business career. The call for business instruction at Indiana University has grown pressing, both from students and from the public. It was, therefore, decided that the university should provide instruction on a scale that would meet the needs of the situation, so that students should no longer be compelled to go outside the state to secure a business course. In pursuance of this plan the Board of Trustees in March, 1920, established a distinct School of Commerce and Finance, and a building costing about \$235,000 for its accommodation is under construction.

The first site of the university adjoined the town of Bloomington on the south. This site lay in Perry township, the township granted by the Congress of 1816 for seminary purposes. Here, the first building, which cost \$2,400, was erected in 1824. In 1838, a more pretentious building was erected, which was destroyed by fire in 1854, with its valuable contents in form of libraries and collections. Friends of the univer-

sity then rallied to its aid and another and better building was erected. This structure, one of the most picturesque in the state, is now known as the Old College Building. It was purchased in 1897 by the Board of Education of Bloomington, and is now used for public school purposes. In 1874, a second large building of similar design to the Old College Building was erected for the laboratories and museums. In a second fire in 1883 this building, with all its contents, was destroyed. Immediately after this fire it was decided to erect new buildings on a new campus—then known as Dunn's Woods. At first twenty acres were purchased, and this number has since been increased to one hundred and thirty.

The first buildings erected on the new campus were Wylie hall and Owen hall. These, with the ones since erected, form three sides of a quadrangle on the crest of the campus proper. Beginning with the one nearest the Kirkwood avenue entrance they are as follows: the Library building, erected in 1907; the Student building, 1906; Maxwell hall, 1890; and Owen hall, 1884, all facing south; Wylie hall, 1884; Kirkwood hall, 1894; Science hall, 1902, facing west; Biology hall, 1910, facing north. Lying outside the quadrangle are Mitchell hall, 1885, east of Science hall, facing north; the building erected in 1921 for the School of Music, north of Mitchell hall and facing west; Assembly hall, 1896, east of Owen hall, facing south; the Journalism building, 1897, located east of Assembly hall and facing west; the power plant, 1905, northeast of Assembly hall, facing south; the storage building, northeast of Owen hall, facing west; the men's gymnasium, 1917, located north of Jordan field and facing west. The Commerce and Finance building, in course of construction, is located east of Biology hall and southwest of Science hall. Within the quadrangle are Kirkwood observatory, 1900, which faces north, and the Wellhouse, 1908, which faces both east and west.

The university owns its own water plant, located about two miles northeast of Bloomington. There are two hundred and fifty acres which includes all the land that drains into the lake. The university thus controls the supply, making certain the purity of the water.

Among the buildings that deserve special mention is the Student building, which was the gift to the state by two thousand graduates, students and other friends of the university. The building, which is constructed of limestone, is the center of the social and religious life of the students and faculty. The west wing of the building is used by the women. In the basement are the plunge and shower baths and the swimming pool. On the first floor are parlors and rest rooms and the women's gymnasium; and on the second floor are the headquarters of the Y. W. C. A. The east wing is used by the men students. On the first floor are the parlors and the lounging rooms, and on the second floor are various clubrooms, including the office and reading rooms of the Y. M. C. A. and the Indiana Union. The center of the building contains the Auditorium, capable of seating six hundred persons. Beneath this is the university cafeteria. In the tower of the Student building are the chimes, which consist of eleven bells.

The building most recently completed is the men's gymnasium, which, with its equipment, cost about \$225,000. It is located north of

Jordan field, and is one of the best buildings of its kind in the United States. It is built of Indiana limestone, in the collegiate gothic style, or more properly speaking, the Tudor gothic. The building is approximately 253 feet by 95 feet, facing west, and forming the head or the west end of the athletic field. There are two main entrances to the building from the west, leading into wide corridors, at the end of which are stairs, giving access to basement and second floor. On the first or ground floor are located the swimming pool, team rooms for Varsity and Freshmen, main locker room, and the toilets, showers, drying rooms, etc. On the second floor are located the gymnasium, trophy room, and the offices for the physical director, athletic director, medical director, and coaches. In the basement are located the handball courts, bowling alleys, and heating and ventilating apparatus.

The main gymnasium is 90 feet wide and 160 feet long. It is well lighted and ventilated, and occupies the central portion of the building. This room is open to the roof, which is supported by steel trusses. The interior walls of the gymnasium are of a light, buff-colored brick.

To the north of the gymnasium room, and separated from it by the stairway and hall, is the trophy room, 28 feet wide and 82 feet long. This room is finished with a paneled oak wainscoting and beamed ceiling, with a large fireplace at one end. To the south of the gymnasium room and separated from it by the stairway and hall, are the general offices. Above the stairway and hall at each end is a balcony overlooking the gymnasium.

In cases of basketball games, etc., bleacher seats are arranged around the gymnasium, seating approximately 3,000 people. The swimming pool and main locker room are underneath the gymnasium on the first floor. The swimming pool room is 52 feet by 114 feet, with a pool 30 feet by 90 feet, and seats for approximately 200 spectators. This room and the pool are lined with tile. Separating the pool room from the main locker room is the shower bath room containing twenty-two showers. The main locker room has ample capacity for 1,000 lockers, and has direct connection with the gymnasium above. Every effort possible has been made to make the lockers and locker rooms sanitary. Sterilizing apparatus and drying apparatus have been provided for the clothing.

The Varsity and Freshman team rooms are at either end of the building, with separate entrances to the athletic field, and with separate steam, shower and toilet rooms. The Faculty locker room, on this floor, also has its separate toilets and shower rooms.

The building is fireproof. The heating, ventilating and lighting are of the best, and the building is furnished and equipped complete according to the latest and best standards.

The Library building, which was completed in 1907 at a total cost, including equipment, of \$140,000, now has 150,158 volumes. The main reading room is 56 feet by 94 feet, and has a seating capacity of two hundred and four. The total book capacity of the stack room is in excess of 250,000.

The Indiana University Biological Station is located at Winona Lake, Indiana. The Winona Assembly has erected for the station two buildings, each 20 by 45 feet and two stories high.

Indiana University is a member of the following associations: Association of American Universities; National Association of State Universities; Carnegie Foundation for the Advancement of Teaching; American Bar Association; North Central Association of Colleges and Secondary Schools; Association of American Medical Colleges; Association of Collegiate Alumnae; Phi Beta Kappa; Sigma Xi.

In athletics, Indiana University is a member of the National Collegiate Athletic Association and the Big Ten.

The university has fifteen Greek letter fraternities, established as follows: Beta Theta Pi, 1845; Phi Delta Theta, 1849; Sigma Chi, 1855; Phi Kappa Psi, 1869; Phi Gamma Delta, 1871; Delta Tau Delta, 1887; Sigma Nu, 1892; Kappa Sigma, 1900; Sigma Alpha Epsilon, 1907; Alpha Tau Omega, 1915; Delta Upsilon, 1915; Lambda Chi Alpha, 1917; Acacia, 1920; Theta Chi, 1921; Sigma Alpha Mu, 1921.

There are fourteen Greek letter sororities, established as follows: Kappa Alpha Theta, 1870; Kappa Kappa Gamma, 1872; Pi Beta Phi, 1893; Delta Gamma, 1898; Delta Zeta, 1909; Alpha Omicron Pi, 1916; Delta Delta Delta, 1917; Sigma Kappa, 1919; Phi Mu, 1920; Theta Phi Alpha, 1920; Alpha Chi Omega, 1922; Zeta Tau Alpha, 1922; Chi Omega, 1922; Phi Omega Pi, 1922.

The growth of the university in recent years has been remarkable. This is due to the fact that more and more it is succeeding in fulfilling its mission as a real university. It is trying in every way to meet the wants of the people. It meets the emergencies as they arise. A concrete example of this is shown in its war activities. It was one of the first educational institutions in the United States to offer its services to the state and to the nation. Under the leadership of President Bryan, the faculty and students made an enviable record in furnishing men and resources to the government in that great international crisis.

The funds of the university, in its earlier days, were derived almost wholly from the proceeds of the seminary lands, from gifts, and from fees paid by students. In 1867, by an act, approved March 8, the General Assembly provided for the increase of these funds by an annual appropriation. "Whereas," the act reads, "The endowment fund of the State University, located at Bloomington, Monroe County, is no longer sufficient to meet the growing wants of education and make said university efficient and useful; and, Whereas, It should be the pride of every citizen of Indiana to place the State University in the highest condition of usefulness, and make it the crowning glory of our present great common school system, where education shall be free," therefore, eight thousand dollars annually were appropriated out of the state treasury to the use of the university. This amount was found to be insufficient, and from time to time the amount of the annual appropriation was increased. In 1883, by an act approved March 8, provision was made for a permanent endowment fund to be raised by the levy for thirteen years of a tax of "one-half of one cent on each one hundred dollars' worth of taxable property in this state," to be paid into the state treasury to the credit

of Indiana University. In 1895 an act was passed (approved March 8) levying an annual tax of "one-sixth of one mill on every dollar of taxable property in Indiana," the proceeds to be divided among the Indiana University, Purdue University and the Indiana State Normal School. Of this amount the Indiana University received two-fifths, or a levy of one-fifteenth of a mill (or two-thirds of a cent on every one hundred dollars) on the taxable property of the state. By an act approved March 5, 1903, this law was amended, and Indiana University received one-tenth of a mill on every dollar of taxable property of the state, and on the recommendation of Governor Samuel M. Ralston, the Legislature of 1913 increased this amount to two and four-fifths cents on every one hundred dollars. In 1921, under administration of Governor Warren T. McCray, the amount was made two cents on every hundred dollars, which, under an increased appraisement and valuation gave the institution a still larger income. As a result Indiana University is having a greater growth and a wider field of usefulness than ever before.

The Board of Trustees of the Indiana University is required to report biennially to the Governor of the state, and to the Superintendent of Public Instruction whenever by him required, on all matters relating to the university. The whole administration of the university is likewise open to the inspection of a Board of Visitors, composed of the Governor, Lieutenant Governor, Speaker of the House of Representatives, Judges of the Supreme Court, and the Superintendent of Public Instruction; and all accounts of the university are regularly audited by the Auditor of State. The president of the university also is ex-officio a member of the State Board of Education, a body which has general supervision of public education within the state. On June 24, 1902, the Supreme Court of the state decided that "the Indiana University is an integral part of our free school system;" that "it was the special creation of the constitution;" and that "the university as well at its endowment has always been under the supervision of the state."

Indiana University is pre-eminently the institution of the people. It is the concrete example of the democracy described by President William Lowe Bryan in his inaugural address, in 1902, when he said:

"What the people need and demand is that their children shall have a chance—as good a chance as any other children in the world—to make the most of themselves, to rise in any and every occupation, including those occupations which require the most thorough training. What the people want is open paths from every corner of the state, through the schools, to the highest and best things which man can achieve. To make such paths, to make them open to the poorest and lead to the highest, is the mission of democracy."

The rapid increase in the attendance is the best evidence that the university is fulfilling its mission. Worth and not wealth is the test applied in the classroom and in society. Last year more than four thousand of the sons and daughters of Indiana alone were in attendance. For many years every county in the state has been represented annually. The course of study keeps abreast of the demands of the times. Every honorable calling in life is ably represented by the graduates of the institution. In fact, as well as in law, Indiana University is "the crowning glory of our present great common school system."

ANNUAL REPORT OF PURDUE UNIVERSITY

For the Year Ending September 30, 1922

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I. THE GOVERNMENT OF THE UNIVERSITY

By the provisions of Chapter 155 of the laws passed by the seventy-second (1921) General Assembly, the affairs of Purdue University are administered through a board of nine trustees, each appointed for a term of three years. Six of the members of the Board of Trustees are appointed by the Governor, and three are selected by the Purdue Alumni Association.

II. OFFICERS FOR 1921-1922

THE TRUSTEES

FRANKLIN F. CHANDLER, Indianapolis, term expires July 1, 1924.
PERRY CRANE, Lebanon, term expires July 1, 1923.
JOHN A. HILLENBRAND, Batesville, term expires July 1, 1923.
CYRUS M. HOBBS, Bridgeport, term expires July 1, 1925.
HENRY W. MARSHALL, Lafayette, term expires July 1, 1924.
VIRGINIA C. MEREDITH, West Lafayette, term expires July 1, 1925.
JAMES W. NOEL, Indianapolis, term expires July 1, 1923.
JOSEPH D. OLIVER, South Bend, term expires July 1, 1924.
DAVID ROSS, Lafayette, term expires July 1, 1925.

THE OFFICERS OF ADMINISTRATION

*EDWARD CHARLES ELLIOTT, Ph. D.,
President of the University.

* From September 1, 1922.

****HENRY WRIGHT MARSHALL,**
Vice-President and Acting President.

STANLEY COULTER, Ph. D., LL. D.,
Dean of Men and of the School of Science.

****Acting Chairman of the Faculty.**

ANDREY ABRAHAM POTTER, B. S.,
Dean of the Schools of Engineering; Director of the Engineering Experiment Station and of the Department of Engineering Extension.

JOHN HARRISON SKINNER, B. S.,
Dean of the School of Agriculture.

GEORGE IRVING CHRISTIE, B. S. A.,
Director of the Agricultural Experiment Station and of the Department of Agricultural Extension.

WILLIAM MURRAY HEPBURN, A. M.,
Librarian of the University.

RALPH BUSHNELL STONE, A. M.,
Registrar of the University.

*****WILLIAM THEOPHILUS MIDDLEBROOK, A. B., M. C. S.,**
Controller of the University.

****EDWARD AUGUSTUS ELLSWORTH,**
Bursar of the University.

SHERMAN ROBERTS CLARK,
Purchasing Agent of the University.

III. APPOINTMENTS AND RESIGNATIONS

Edward Charles Elliott, Ph.D., Chancellor of the University of Montana, 1916-1922, was elected president of Purdue University, May 16, 1922, by the unanimous vote of the Board of Trustees, and assumed his duties September 1, 1922.

Henry Wright Marshall, vice-president and acting president of the university from August 4, 1921, relinquished his duties with the coming of President Elliott. It is just and fitting that record should here be made of the faithful and efficient service rendered by Mr. Marshall during this period, a service calling for the expenditure of time and energy, both given cheerfully and generously, without financial recompense.

Edward Augustus Ellsworth, secretary to the Board of Trustees for thirty-three years and bursar of the university for the last thirty years, retired August 31, 1922, under the provisions of the retirement plan of the Carnegie Foundation for the Advancement of Teaching. Mr. Ellsworth's office was a responsible one, calling for exact, careful and conscientious attention, which he gave in fullest measure during all the years of his long service.

Miss Mary M. Williams, for several years Mr. Ellsworth's able assistant, was appointed by the Board of Trustees September 2, 1922, to succeed him as secretary to the board.

**** To September 1, 1922.**

***** From November 6, 1922.**

William Theophilus Middlebrook was appointed October 11, 1922, to the newly created office of controller, taking up his duties November 6, 1922.

Mr. Middlebrook holds the degree of Bachelor of Arts from Dartmouth, 1912, and of Master of Commercial Science from the Amos Tuck School of Administration and Finance, 1913. He brings to his new position not only the technical training of the school but the practical experience gained by successful service with large business enterprises.

William Vaughan Stuart, a life-long friend and supporter of Purdue University, died May 31, 1922. Mr. Stuart had been connected with the university as trustee for nineteen years. His resignation in February, 1921, was accepted with great regret, all the more because failing health made the step imperative. The university in its adversity and its prosperity, in its struggles and in its triumphs, was a dominant and vital interest with him to the very end of a useful and busy life. Purdue University is indeed fortunate to record among the members of its governing body men of such sterling worth and devotion as Mr. Stuart.

IV. ORGANIZATION OF THE UNIVERSITY

Purdue University is charged under the law with a great variety of functions, in accordance with which the organization of the university is as follows:

A. The School of Instruction.

- (a) The School of Agriculture.
- (b) The School of Applied Science.
- (c) The School of Mechanical Engineering.
- (d) The School of Civil Engineering.
- (e) The School of Electrical Engineering.
- (f) The School of Chemical Engineering.
- (g) The School of Pharmacy.
- (h) The Departments of Mathematics, English, Modern Languages, Home Economics, History and Economics, Applied Mechanics, Practical Mechanics, Physical Education, Military Science.

B. The Agricultural Experiment Station.

C. The Department of Agricultural Extension.

D. The Engineering Experiment Station.

E. The Department of Engineering Extension.

V. THE ORIGIN AND PURPOSE OF PURDUE UNIVERSITY

Purdue University was organized under an act of Congress, passed July 2, 1862. This act appropriated public lands to the several states for the purpose of aiding in the maintenance of colleges "where the leading objects shall be, without including other scientific or classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts." The act provided that states availing themselves of the benefits offered shall establish and maintain not less than one college of the nature above indicated. It

also specified certain conditions in accordance with which this shall be done. Among these conditions are the following:

First. "No portion of said fund, nor the interest thereon, shall be applied directly or indirectly, under any pretense whatever, to the purchase, erection, preservation or repair of any buildings.

Second. "Any state which may take and claim the benefit of the provisions of this act shall provide within five years, at least, not less than one college, as described in the fourth section of this act, or the grant to such state shall cease; and said state shall be bound to pay the United States the amount received of any lands previously sold, and that the title to purchase under the state shall be valid."

The State of Indiana, by an act approved March 6, 1865, obligated itself as follows:

"The State of Indiana accepts and claims the benefits of the provisions of the acts of Congress, approved July 2, 1862, and April 4, 1864, and assents to all the conditions and provisions in said acts contained."

By an act of the legislature approved May 6, 1869, the institution thus provided was located in Tippecanoe County, and the faith of the state was pledged that the location so made was made permanent.

Purdue University is a beneficiary of six acts of Congress, known respectively as the Hatch, the Morrill, the Adams, the Nelson, the Smith-Hughes and Smith-Lever acts.

The state accepted from John Purdue and other citizens of Tippecanoe County donations to the amount of \$230,000 and pledged its faith to the adequate and perpetual maintenance of the institution.

The name of Purdue University was also established by legislative act of 1869, as follows: "In consideration of the said donation by John Purdue, amounting to one hundred and fifty thousand dollars, and of the further donation of one hundred acres of land appurtenant to the institution, and on condition that the same be made effectual, the said institution, from and after the date of its location as aforesaid, shall have the name and style of 'Purdue University'; and the faith of the state is hereby pledged that such name and style shall be the permanent designation of said institution, without addition thereto or modification thereof."

It thus appears that the University, while bearing the name of John Purdue, is an institution exclusively under state control, and that government aid was originally extended, not only to establish, but to aid in maintaining it as a state institution of a specific kind.

Private donations have been received from Amos Heavilon, from Eliza Fowler, from James Fowler, from William C. Smith, from Moses Fell Dunn, from Mrs. Martha F. Davis, and from William E. Pinney. Within the past year Mr. David Ross, class of 1893, and Mr. George Ade, class of 1887, have taken steps to turn over to the University eventually, for athletic purposes, a sixty-five acre tract of land valued at \$39,000 situated northwest of Stuart Field.

Purdue University is supported by legislative appropriations, by the proceeds of an endowment granted by the Federal Government and held in trust by the State of Indiana (three hundred and forty thousand dollars), by appropriations from the Federal Government, amounting to

eighty thousand dollars, and has non-productive property in building, lands and equipment to the value of more than three millions of dollars. It has six hundred ninety-six acres of land in its campus and farm, thirty-two buildings, well equipped laboratories, shops, museums, library and reading rooms.

VI. THE ALUMNI

The Alumni—The outstanding contribution of the graduates to the University is their united effort for the Purdue Memorial Union Building. Ground for this building was broken June 13, 1922, with appropriate ceremonies and building was started July 5, 1922. More than \$883,000 has been pledged to date by the alumni, former students, faculty, individual trustees and citizens.

VII. THE STAFF OF THE UNIVERSITY

The teaching staff of the University numbered two hundred sixty-two, of whom twenty-three were women. In addition, the library staff numbered nine, the staff of the Department of Physical Education, seven, and of the Engineering Experiment Station, nine.

The Agricultural Experiment Station had a staff of seventy-seven men and three women, and the Department of Agricultural Extension, thirty-five men and ten women.

Forty resignations were tendered, chiefly at the close of the academic year.

Miss Laura Anne Fry, head of the Department of Art, retired June 30, 1922, under the provisions of the retirement plan of the Carnegie Foundation for the Advancement of Teaching. Miss Fry had given twenty-six years of loyal devotion to this institution and her resignation was accepted only with deep regret.

Major Ronald D. Johnson, Commandant of Cadets and Professor of Military Science and Tactics, was transferred to another station and was succeeded by Major Leon R. Cole, senior officer in the Military Department.

Captain Frank W. Bryant was retired from active duty due to physical disability incurred in line of duty in the military service.

Dr. William K. Hatt, head of the Department of Civil Engineering, was granted a leave of absence for the year, to serve as Director of the Advisory Board on Highway Research of the National Research Council.

Dr. Robert A. Craig, head of the Veterinary Department, was granted leave of absence from October 12, 1921, to January 8, 1922, to establish a cholera serum laboratory in South America.

VIII. THE DEPARTMENTS OF INSTRUCTION

Students—The total number of students enrolled for the year was 3,265, distributed as follows: In regular courses, 2,808; in special or short courses, of more than one month's duration, 364; in graduate courses, 93. In this enrollment there were 451 women. The detail of the regular four-year enrollment follows:

School of Agriculture.....	496
Chemical Engineering	233
Civil Engineering	403
Electrical Engineering	546
Mechanical Engineering	636
Pharmacy	24
Science	470

Every county in the state was represented. There were 492 students from other states and sixty-seven from foreign countries. The total enrollment exceeded by 155 that of last year. At the June commencement 506 diplomas were given, eighty-three more than were granted last year. Twenty-five seniors were commissioned Second Lieutenants in Field Artillery Reserve Officers' Training Corps of the United States Army as against nineteen of last year.

The following table shows the growth in enrollment for the last five years:

	Total	Regular four year course	All others
1917-1918	1762	1556	206
1918-1919	2605	2450	155
1919-1920	2962	2629	333
1920-1921	3110	2764	346
1921-1922	3265	2808	457

Purdue Federal School—Training of disabled soldiers under the auspices of the Rehabilitation Division of the Federal Board of Vocational Education was continued in the University as during the preceding year. The reorganization of the government agency for the supervision of these students resulted in the establishment of the U. S. Veterans' Bureau, which displaced the Rehabilitation Division of the Federal Board and became effective during August, 1920. The relation of the University to this later organization has continued with practically no change in policy.

To meet the increasing needs for training the disabled soldiers in this institution, the government established a special school to provide academic training for men not qualified to enter regular University classes. Room for this organization, known as the Purdue Federal School, was provided by the use of the Oakwood School building in West Lafayette. The first student in this school was enrolled on November 29, 1920. This year's enrollment has shown a decided decrease over that of last year, a large number of men being compelled to give up training on account of physical breakdown. In the special agricultural courses that are available for the students of the Purdue Federal School, training is offered in all of the most essential kinds of work such as is given in the regular University courses. The cultural and academic subjects, with the exception of English and Mathematics, are eliminated in order to afford all possible time for concentration on the strictly agricultural courses.

The School of Agriculture—The Department of Animal Husbandry took part in the International Show at Chicago, and in the International Judging Show, the Purdue team winning fourth place in competition with twenty-one agricultural colleges. The Dairy Department prepared

a Dairy Cattle Judging Team for the National Dairy Judging Contest, held in Minneapolis, a member of the Purdue team winning \$400 as a prize for ranking as best judge of Holstein cattle. The Poultry Department promoted the Fourteenth Annual Egg Show, which has grown to be the largest and most important show of this kind in the world. Short courses were given as follows:

	Attendance
Winter course in Agriculture	88
Farmers' Short Course, January 9-13, 1922.....	1,155
Short Courses for Seedmen, November 14-18, 1921.....	
Creamery Fieldmen's Course, February 13-18.....	28
Tractor Course—January 23-February 6, 1922	
February 6-February 20, 1922	
February 20-March 6, 1922.....	37
Boys' and Girls' Round-Up, May 2-5, 1922.....	1,201

The Engineering Schools—The enrollment in the Engineering Schools for 1921-1922 was 1,909, placing Purdue third on the list of such schools in the country in the matter of enrollment. A constant study is being made of the problems of teaching and every effort is put forth to develop in the student the power to analyze and think out for himself the problems he may meet. A course in Engineering Problems was administered during the year and one in Engineering Administration. The personnel rating system has been simplified. The Engineering Staff made surveys of the physical plants of sixteen state institutions in Indiana and submitted reports of their findings to the Governor of the state.

Military Instruction—There was a total enrollment for the year in this department of 1,488. Thirty were seniors and sixty-eight were juniors enrolled in the advanced courses of the department as candidates for reserve commissions in the United States Army. The Department is well equipped in the matter of material for instructional purposes, having a complete equipment for a battalion of light artillery in so far as desired for the work here, with the addition of much miscellaneous matter, such as guns of various types, topographical equipment, motor parts and signal equipment.

Purdue University has been rated among the few distinguished colleges of the country every year that annual inspection has been held since 1917, that is, 1917, 1920, 1921 and 1922.

The annual camp, at Camp Knox, Kentucky, was of six weeks' duration and was attended by fifty-four advance course men and sixteen basic course men, having the largest representation of any University for artillery work.

Health Conditions—There was a noticeable lack of contagious diseases among the students, being one case of scarlet fever, one of measles and a mild case of smallpox. There were five deaths during the year, two from drowning.

Teacher Training—The third summer school under the reorganization of the work on a new basis was conducted for the training of vocational teachers and for the further training of other teachers in lines

of professional and academic work. The plan of previous years was followed, having regard to meeting the requirements of the Smith-Hughes Act and the Indiana Vocational Education Law in co-operation with the State Board of Vocational Education. The session opened June 15th and closed August 16th. The enrollment showed an increase of eighty per cent over that of last year.

Research and Publications—Two branches of the University are organized for research work, the Agricultural Experiment Station and the Engineering Experiment Station, each with its staff of scientific workers, the results of whose investigations are published in the form of bulletins. Members of the faculty also carry on research work along the lines of their particular subjects and the results of their investigations are published in University publications and scientific papers.

The publications of the year were:

By the Trustees, a Memorial to Winthrop Ellsworth Stone.

By the University, Official Announcements, 4.

By the Agricultural Experiment Station, Report, bulletins and circulars, 21.

By the Department of Agricultural Extension, Report, bulletins and circulars, 29.

By the Engineering Experiment Station, bulletin 1.

By the Alumni, *The Alumnus*, a monthly.

By the students, *The Purdue Exponent*, a daily; *The Agriculturist*, a monthly; *The Engineering Review* and *The Debris*, Student Directory, Y. M. C. A. Handbook, Annuals.

By the staff, private scientific publications, 103.

IX. THE AGRICULTURAL EXPERIMENT STATION

The increased funds for experimental work, made available by the last session of the Indiana Legislature, have enabled this department not only to continue the projects which had been carried on for a number of years but also to take up new problems presented by the farmers of the state.

Feeling that the fertility of the soil is the greatest natural asset of the state, experimental work was conducted on fifteen different types of fields, thus securing valuable information regarding the most profitable system of soil management. In co-operation with the U. S. Department of Agriculture, a complete soil survey of the state is being made, as fundamental to a complete study of the state's resources.

A new Indiana wheat was produced by this Station, and is being distributed to the farmers of the state this year. More than 5,000 acres have been planted. This wheat is unusually hard, has excellent milling qualities and ranks with the hard wheats of Kansas. It has given excellent yields, and if it continues to improve it will mean many hundreds of thousands of dollars to the farmers and millers of the state.

The question of soil erosion was given especial attention and investigations in corn disease were continued. Studies were also made up of the cost of production of wheat, oats, beef and pork, yielding valuable information affecting the business side of agriculture.

One of the outstanding pieces of work during the past year was that relating to hog production. After a series of careful investigations, a mineral mixture has been found, consisting of acid phosphate, wood

ashes and salt, which when combined with a ration of soybeans and corn, secures excellent and economical results in pork production. Methods of breeding, feeding and management are being developed which will enable hog raisers to eliminate the great loss that occurs in the pig crop before weaning.

The dairy industry has been protected through the discovery of a method for the determination of adulterants in butter-fat. There is an increased interest in dairying and a substantial increase in milk and butter production throughout the state.

There has been an increased production of eggs, apples and tomatoes. The tomato crop has been threatened by the disease known as "mosaic." Investigations made by the Botany Department of the station have determined that the disease is carried over the winter by certain weeds. It is thought that by the removal of these weeds, the disease can be practically controlled.

The Veterinary Department is carrying on investigations and experiments in an endeavor to stamp out the disease of infectious abortion which has caused serious losses among the herds of the state. This department has some very helpful suggestions to offer to owners of herds affected by this disease.

The Agricultural Experiment Station is charged with the enforcement of various control laws. The Department of State Chemist has charge of feed and fertilizer inspection and in the discharge of its duties has inspected 3,125 samples of commercial feeding stuff, involving nearly 17,000 chemical determinations and 3,354 microscopic examinations. The first year's enforcement of Indiana's seed law was given over very largely to educational work with Indiana farmers and seed merchants. Approximately 3,000 samples of seed have been analyzed since the enforcement of the law, beginning January 1, 1922.

The Swine Disease Law makes serum and remedy control imperative. Almost 100 samples of serum and blood were examined and recommendations made regarding results of tests to the State Veterinarian. In the administration of the Creamery and Testers' License Law, a total of 912 individual examinations were given, 2,568 licenses issued to testers and 1,923 to dairy manufacturing plants.

The Station conducts three demonstration farms—

The Moses Fell Annex, in Lawrence County, near Bedford.

The Pinney-Purdue Farm, in Porter and Laporte Counties.

The Herbert Davis Forestry Farm in Randolph County, full management of which was taken over December 1, 1921.

More than a year ago, at the request of the Livestock Breeders' Association, the Governor of the state appointed a livestock committee to outline a program for livestock production in Indiana. After careful consideration of the whole subject, the committee recommended that the Station secure a suitable tract of land near the University for experiments in livestock production. The purchase of such a tract for this purpose has been authorized by the Board of Trustees.

X. THE DEPARTMENT OF AGRICULTURAL EXTENSION

As a result of the unusual economic situation, Indiana farmers have been confronted with difficult problems in the solution of which many demands have been made upon this Department. The urgent needs of agriculture and the favorable attitude of the people have resulted in the accomplishment of a large and helpful work on the farms of the state. A new method of program determination was inaugurated. After a conference of interested farmers, bankers and merchants, a careful survey of 400 typical farms in four separate areas was made, the information thus obtained summarized, and a program of activities for a series of years was outlined.

In co-operation with the county farmers' association, county agents and business men, a survey of roads was made in Southwestern Indiana. This study showed that poor roads were a most serious handicap to the agricultural development of this section, and plans were made to improve the conditions. The farmers of the several communities were greatly interested in this work and volunteered practically all of the necessary labor.

Various contests were carried on, among the most successful being the five-acre corn contest and the ton litter contest, the aim of the first being to secure the highest yield of corn on a five-acre tract; of the second, to produce a ton of pork from one litter of pigs by the time the pigs are six months of age. The Boys' and Girls' Club contest furnishes a striking example of the value of the contest idea in extending better methods in farm practice. During the past year, 18,732 boys and girls were enrolled in clubs in 696 communities, the net profit from their various enterprises being \$197,139.99.

Methods of treatment were adopted which greatly increased the acreage of legumes and soybeans. The improvement of the varieties of grain used for seed is a problem of great importance. In co-operation with the Indiana Corn Growers' Association, this Department arranged for the certifying of seeds that are true to the variety names and free from obnoxious weeds, a service that will mean much in improving the yield and qualities of crops produced in the state. Progress has been made along the lines of potato and poultry improvement, commercial fruit growing and in a more economical and efficient dairy production. As a result of the Cow Testing Association, there is an increased demand for high class purebred sires.

An intensive drive has been launched against the barberry, since this plant is the winter host for the spores producing the black stem rust in wheat. Since the Indiana Pure Seed Law went into effect, January 1, 1922, the question of weeds and their eradication has been prominently before farmers and the seed trade. In the control work on animal diseases, particular stress has been placed upon sanitary measures and many farmers have been instructed in the necessary precautions to reduce to the minimum the possibilities of spread and outbreak.

The oldest form of Extension work in Indiana is the Farmers' Institute. This work has been carried on for thirty-two years, the last year being the most successful one in its history. The programs were

furnished by a corps of successful farm men and women who supplemented the technical facts of the institute with their practical experience of the farm or in the home. Short courses and exhibits proved an effective method of carrying the teachings of the station and college to large groups of men and women throughout the state.

Anything that contributes to or detracts from the health and happiness of the family, is a most important factor in country life. This accounts in great measure for the interest shown in proper and well-balanced foods. An important work has been done in interesting people in milk as a valuable food for all people, but especially for growing children. Special milk campaigns were carried on and the results were evident in the increased use of milk, not only in the schools, but also in the factories and department stores, where it was kept on sale for the benefit of their employes, to be used in connection with the noon-day lunch. In addition, the subject of clothing requirements was given attention, including the making over of garments, home millinery and the home-made dress form.

The county agent work has again proved its value in the services rendered by the eighty-six agents who were ready and eager at all times to give assistance in solving many complex farm problems. Through these county agents, farmers were interested in using 2,400 bushels of northern grown certified seed potatoes, and stock raisers were led to form an organization whose work will mean much in increasing and improving the stock of the county.

The publications of the department for the year are: an annual report, six bulletins and eight leaflets.

XI. THE ENGINEERING EXPERIMENT STATION

This branch of the University was established in February, 1917, for the purpose of "conducting researches in the field of engineering; co-operating with engineering societies in conducting industrial investigations; publishing and distributing the results of such investigations in the form of bulletins or otherwise, as may seem desirable". The station also supervises all commercial testing done by the University. The staff for the year consisted of nine research associates and assistants. The co-operative work of the Engineering Experiment Station and the U. S. Bureau of Public Roads continued throughout the year, the work including fatigue tests in concrete, ball test on concrete and Indiana road material survey. The hydraulic laboratory made investigations of the distribution of flow from sewage sprinkler nozzles and of the flow of water by means of a horizontal jet and studies in parabolic weir. The electrical section of the station carried on various projects, nitrogen fixation, corona photographs, insulator tests, ozone manufacture and corona losses in high voltage transmission. The automotive section engaged in eleven studies, chiefly in connection with carburetion, tractors and truck transportation costs in Indiana. The result of some of the investigations of the Engineering Experiment Station have been given to the public through the engineering press.

One bulletin was published—The Production of Nitric Oxides and Ozone by High Voltage Electric Discharges, by K. V. McEachron and R. H. George.

XII. THE DEPARTMENT OF ENGINEERING EXTENSION

Under the direction of this department several courses, extending from two to five days, of interest to particular trades and industries, were given:

The road school, bringing together for discussion and instruction engineers, county surveyors, county road officials, contractors, and others interested in the highway problems of Indiana, in attendance	365
The telephone plant school, taking up with the men responsible for the construction and maintenance of telephone plants in the state, the various features of the work, with particular reference to Indiana conditions, in attendance	81
The telephone short course, for the benefit of trouble men, cable men, testers and mechanics, employed by the telephone utilities of Indiana, in attendance	7
Electric meter school, giving instruction to the men responsible for the installation, testing and maintenance of electric meters, in attendance	70
A conference of power plant operators was held in Indianapolis for the benefit of men who are responsible for the operation of the power plants in the state institutions of Indiana, in attendance.	50

XIII. PROPERTY OF THE UNIVERSITY

* The value of the real and personal property of the University, based upon cost when values were low, is as follows:

NAME	Value	Value of Contents	Total
University Hall.....	\$ 40,000	\$ 4,367	\$ 44,367
Ladies' Hall.....	38,140	4,814	42,954
Pharmacy.....	25,000	4,610	29,610
Purdue Hall.....	35,000	1,019	36,019
Science Annex.....	3,000	1,000	4,000
Electrical Building.....	40,000	35,000	75,000
Physics.....	60,000	19,207	79,207
Chemistry.....	60,000	38,800	98,800
Mechanical Building.....	125,000	62,000	187,000
Civil Building.....	40,000	24,000	64,000
Power and Heating Plant.....	27,000	78,000	105,000
Michael Golden Shops.....	120,000	75,000	195,000
Gymnasium.....	77,000	3,081	80,081
Library.....	75,000	52,463	127,463
Eliza Fowler Hall.....	70,000	9,445	79,445
Peirce Conservatory.....	4,000	1,000	5,000
Smith Hall.....	50,000	20,565	70,565
Agricultural Hall.....	60,000	9,866	69,866
Experiment Station.....	125,000	66,111	191,111
Farm Mechanics.....	20,000	1,698	21,698
Veterinary Building.....	40,000	10,000	50,000
Stanley Coulter Hall.....	80,000	20,000	100,000
Armory.....	189,000	5,000	194,000
Home Economics Building†.....	202,238	36,500	238,738
Recitation Building†.....	162,688	9,602	172,290
Experiment Station Greenhouse.....	20,000	359	20,359
Experiment Station Storehouse.....	26,000	2,008	28,008
Locomotive Museum.....	1,000	5,000	6,000
Locomotive Laboratory.....	1,000	10,000	11,000
Stock Judging Pavilion.....	28,000	734	28,734
Serum Plant.....	9,900	9,670	18,670
Horticultural Greenhouse.....	30,000	1,106	31,106
Poultry Plant.....	7,500	1,978	9,478
Horse Barn.....	35,000	.....	35,000
Cattle Barn.....	36,000	.....	36,000
Other Farm Buildings.....	25,500	.....	25,500
Land (692 acres).....	225,000	.....	225,000
Farm Equipment.....	7,500	.....	7,500
Live Stock.....	34,500	.....	34,500
Other Property—			
Moses Dunn Bequest:			
Bonds.....	104,500	.....	104,500
Real Estate, 678 acres, Lawrence Co.....	28,000	.....	28,000
Herbert E. Davis Forestry Farm, 385 Acres, Randolph Co.....	68,000	.....	68,000
Pinney-Purdue Farm, 467 acres, Porter and Laporte Counties.....	60,000	.....	60,000
W. C. Smith Bequest, 1,500 acres, Minnesota.....	30,000	.....	30,000
Horticultural Farm, 120 acres, Wabash Township.....	18,600	.....	18,600
Lots Nos. 49-63 inclusive, 4 acres, University Park, third addition to West Lafayette.....	27,591	.....	27,591
Totals.....	\$2,590,757	\$624,003	\$3,214,760

*These values do not even approximate the present values, as no appraisal has been made for several years

†Under construction.

XIV. THE FINANCIAL REPORT

* Condensed Statement of Receipts and Disbursements for the Year
1921-1922

	Balance on Hand at Beginning of Year	Receipts	Disbursements	Balance on Hand at Close of Year
1. Department of Instruction:				
(a) State Educational Tax.....		\$893,364 42	\$611,916 30	\$281,448 12
(b) Interest on endowment ¹		21,250 00	17,000 00	4,250 00
(c) Federal appropriation ²		100,000 00	50,000 00	50,000 00
(d) Miscellaneous sources.....	\$95,324 23	222,019 14	188,559 39	128,783 98
(e) General fund 1-cent tax levy.....	114,111 59	102,377 94	216,489 53	
(f) Memorial gymnasium fund.....	664 82	6 89		671 71
Totals.....	\$210,100 64	\$1,339,018 39	\$1,083,965 22	\$465,153 81
2. Agricultural Experiment Station:				
1. For investigation:				
(a) Federal appropriation ¹		\$37,500 00	\$36,888 53	\$611 47
(b) State appropriation.....		189,025 07	176,407 70	12,617 37
(c) Swine diseases.....		15,000 00	15,000 00	
(d) Miscellaneous sources.....	\$21,836 32	103,549 22	93,504 75	31,880 79
(e) Moses Fell annex.....	4,884 82	21,811 45	14,454 44	12,241 83
(f) Experimental orchard.....	56 11	650 08	592 81	113 38
(g) Pinney-Purdue farm.....	213 64	2,680 06	2,390 16	503 54
(h) Herbert Davis forestry farm.....		525 96		525 96
2. For Administration of Control Laws:				
(i) Creamery license appropriation.....		1,000 00	1,000 00	
(j) Creamery license fees.....	19,079 20	18,400 13	25,592 82	11,886 51
(k) Stallion enrollment.....	2,161 65	8,481 55	6,277 83	4,365 37
(l) Feeding stuff control.....	230 04	53,274 79	39,762 69	13,742 14
(m) Fertilizer control.....	9,699 93	37,171 09	27,103 86	19,767 16
(n) Agricultural seed control.....		14,583 82	7,142 62	7,441 20
Totals.....	\$58,161 71	\$503,653 22	\$446,118 21	\$115,696 72
3. Department of Agricultural Extension:				
(a) State appropriation.....		\$30,000 00	\$30,000 00	
(b) Miscellaneous sources.....	\$983 63	5,677 64	3,744 86	\$2,916 41
(c) Smith-Lever fund ¹		174,128 17	138,919 00	35,209 17
(d) Supplementary Smith-Lever fund ¹		60,553 19	52,005 42	8,547 77
Totals.....	\$983 63	\$270,359 00	\$224,669 28	\$46,673 35
4. Special Funds:				
(a) Smith bequest.....	\$162 02	\$690 32	\$581 06	\$271 28
(b) Building fund.....		232,355 52	232,355 52	
(c) Dairy farm fund.....	2,994 73	12,985 28	15,829 51	150 50
(d) Engineering experiment station.....	19,760 98	11,824 81	24,554 09	7,031 70
(e) Athletic fund.....	15,921 19	64,727 16	67,320 89	13,327 46
Totals.....	\$38,838 92	\$322,583 09	\$340,641 07	\$20,780 94
5. Summary:				
1. Departments of Instruction.....	\$210,100 64	\$1,339,018 39	\$1,083,965 22	\$465,153 81
2. Agricultural Experiment Station.....	58,161 71	503,653 22	446,118 21	115,696 72
3. Dept. of Agricultural Extension.....	983 63	270,359 00	224,669 28	46,673 35
4. Special Funds.....	38,838 92	322,583 09	340,641 07	20,780 94
Grand Totals.....	\$308,084 90	\$2,435,613 70	\$2,095,393 78	\$648,304 82
	2,435,613 70			2,095,393 78
	\$2,743,698 60			\$2,743,698 60

*All for the twelve months beginning October 1, 1921, unless otherwise designated.

¹For the fifteen months beginning July 1, 1921.²For the two years beginning July 1, 1921.

REPORT OF THE INDIANA STATE NORMAL SCHOOL

Terre Haute, Indiana

and

EASTERN DIVISION

Muncie, Indiana

BOARD OF TRUSTEES

SANFORD M. KELTNER, President.

HELEN C. BENBRIDGE, Secretary.

WILLIAM W. PARSONS, Assistant Secretary.

JOHN T. BEASLEY, Treasurer.

MEMBERS

SANFORD M. KELTNER, Anderson.

Term expires 1926.

FRANK C. BALL, Muncie.

Term expires 1926.

BENJAMIN J. BURRIS, Indianapolis.

Term expires 1925.

CHARLES A. GREATHOUSE, Indianapolis.

Term expires 1924.

HELEN C. BENBRIDGE, Terre Haute.

Term expires 1924.

HISTORICAL SKETCH

The act of the General Assembly which created the Indiana State Normal School was approved December 20, 1865. This act defined the object of the school to be "the preparation of teachers for teaching in the common schools of Indiana," provided for the appointment of a board of trustees, the location of the buildings, the organization of a training school, the adoption of courses of study, and created the Normal School Fund for the maintenance of the institution. The act further required the trustees to locate the school at the town or city of the state that should obligate itself to give the largest amount in cash or buildings and grounds to secure the school. The city of Terre Haute was the only place to offer any inducement to secure the institution. A tract of land three hundred feet square near the center of the city, valued at \$25,000, and \$50,000 in cash were offered, and the city agreed to maintain forever one-half the necessary expense of keeping the buildings and grounds in repair. This liberal offer was accepted and the construction of the building was begun. Aided by subsequent appropriations, the trustees were able to complete certain portions of the

building, and the school was opened January 6, 1870. The professional training of teachers was an experiment in Indiana, and the institution began its work without the confidence and united support of the people of the state.

Twenty-three students were present on the opening day, and this number was increased to forty by the end of the term. The attendance has steadily grown since the opening of the school, and during the years 1921-1922, four thousand nine hundred sixty-seven were enrolled. In 1887 the school had become so large that it was necessary for the Terre Haute high school, which had occupied a portion of the building since its completion, to find new quarters, thus leaving the entire building of three stories to be occupied by the Normal School alone.

On the forenoon of April 9, 1888, the building and its entire contents were almost totally destroyed by fire. Only the foundations were left unimpaired; the library, furniture, apparatus and everything in the building—the accumulation of eighteen years—were consumed. Terre Haute provided temporary quarters for the school, and, under the contract to maintain one-half the expense of repairs to the buildings and grounds, promptly gave \$50,000 in cash with which to begin the work of rebuilding. The next General Assembly appropriated \$100,000 for the completion of the building, the purchase of a new library, etc. With these sums the school constructed a commodious and beautiful building and purchased an equipment for every department much superior to that possessed before the fire.

The legislature of 1893 appropriated \$40,000 for the construction of a new building to be used for gymnasiums, library and laboratories. The General Assembly of 1895 appropriated \$20,000, and the General Assembly of two years later, \$10,000, with which to complete this building.

The legislature of 1903 appropriated \$50,000 for purchasing a site for, and the erection of a new training school building. During the four years follownig, about \$40,000 was added from the general fund of the institution, and with these amounts the building was constructed.

MATERIAL EQUIPMENT

The State Normal School occupies six large, commodious buildings. The main building, constructed immediately after the fire of 1888, is about 190 by 150 feet, and is a very complete, well-appointed college building. It contains a beautiful chapel, the administration offices, cloak room, class room and toilet rooms. It is, architecturally, one of the most beautiful buildings in the state, and its internal arrangement is well adapted to the purpose for which it was constructed.

A second building, constructed in 1893-94, is about 100 by 100 feet, and in style and general harmony with the main building. The basement contains the two gymnasiums. The second and third stories have been made into classes and lecture rooms. The fourth story is used by the Commercial Department.

A handsome four-story model or training school building is occupied by the training school for the grades and the high school.

The large, fire-proof library building, completed in 1910, is a very

substantial stone structure and now contains about 93,000 well-selected volumes.

The vocational building, completed in 1915, is occupied by the Industrial Arts and Domestic Economy Departments. This building is equipped with the best modern machinery and appliances for this work.

The Science Building, located just west of the library on the north side of Eagle street, provides the much-needed room and facilities for the various departments of science. This building, known as Science Hall, is 132 feet long and 84 feet wide. It is practically a four-story building with a modernly equipped plant house on the roof, and is occupied by three of the science departments.

The first floor and a large part of the basement is occupied by the Departments of Botany, Zoölogy and Agriculture. The equipment consists of two large lecture rooms, a general laboratory, a laboratory for advanced work, one for agricultural experiments, two private laboratories for research work, and a large conservatory on the roof for experiments in botany and agriculture.

The second floor is occupied by the Department of Physics, and has two commodious lecture rooms with raised seats, each room equipped with direct and alternating currents, two laboratories for beginning physics, a special laboratory for the study of light, another for advanced physics, several private laboratories, a work shop, apparatus room, and a large storage room in the basement.

The Chemistry Department occupies the third floor and has a large lecture room with raised seats and a smaller room for smaller classes, a laboratory for beginning chemistry, which will accommodate one hundred and sixty students, another for qualitative analysis and physical chemistry, a laboratory for organic chemistry, one for vocational chemistry work, a separate laboratory for combustion work, a private laboratory and a store-room. An air compressor in the basement furnishes compressed air for the various laboratories.

In addition to these six buildings, which are devoted mainly to instructional purposes, there are three other buildings devoted to various phases of school work.

The cafeteria, located on Eagle street just east of the old library building, is housed in two remodeled dwelling houses connected by a corridor. Here each day many students take their meals, being provided with nourishing, palatable food at the lowest cost. Financially, the object of the cafeteria is to charge only enough for its services to cover the expense of maintenance.

Just east of the cafeteria is located the Student Building. This, also, is a remodeled dwelling house of very good type, which has been furnished and rearranged as a headquarters for the social activities of the students. It is open all hours of the day and provides accommodation for meetings of student organizations. A matron lives in the building and has general supervision and control of all student activities carried on within its walls.

Across the street, north from the Student Building, is found the Practice House. This represents the latest phase of development along the line of household economics in the State Normal School, and was

purchased and equipped in order to comply in every respect with the requirements of the Smith-Hughes law. The building is under the direction of the Department of Home Economics, and is occupied at different periods during the year by groups of young women who undertake the direct management of the house as training in particular phases of home economics.

BOOK STORE

At the beginning of the spring quarter, 1922, a book store was opened in a suite of rooms on the ground floor of the main Normal building. This store is in charge of Professor Shepherd Young, head of the Commercial Department of the Normal. One regular full-time assistant has charge of the routine business of the store. Student assistants furnish part-time service. Practically all books and supplies ordinarily handled in a store of this type are sold to students at discounts ranging from ten to forty per cent. The store has already proven that it can be of great service to the student-body in having goods readily available and in the saving of money.

TRAINING SCHOOLS

The Normal School maintains a complete system of training schools. The Training School Building now has the Manual Training Department on the first floor, the eight grades on the second floor, and the high school on the third and fourth floors. These departments are all in charge of professionally trained teachers and are open to students for observation and practice.

The value and necessity of well-equipped playgrounds for children in the grades and high school has been conceded by educators for many years. The training school is well provided in this respect. An extensive playground, lying east of the building and covering an area equal to half of a city square, is equipped with modern playground devices and is used as the center of out-door play and athletic activities by the children of the training school.

RESIDENT AND NON-RESIDENT STUDENTS

Residents of Indiana pay no tuition whatever, but a contingent fee of fifteen dollars per quarter is charged every student, resident and non-resident.

Students not residing in Indiana are charged a tuition fee of twelve dollars per quarter and the contingent fee.

LABORATORY FEES

Students pursuing courses in the Departments of Physiology, Chemistry, Botany, Zoölogy, Agriculture, Industrial Arts, Geography, Geology and Typewriting are charged laboratory fees per quarter as follows:

Physiology	\$2.00
Chemistry	2.00
Botany	1.00
Zoölogy	1.00

Agriculture	1.00
Industrial Arts	3.50
Geography	1.00
Geology	1.00
Typewriting	1.00

STUDENTS' LOAN FUND

The Students' Loan Fund, under the management of the Alumni Association, is maintained for the purpose of aiding members of the senior class. This fund, started by the class of 1908, has been added to by successive classes and now amounts to something over three thousand dollars. Small sums, one hundred dollars or less, at a low rate of interest, are available to members of the senior class.

THE JAMES MCGREGOR STUDENT ENDOWMENT FUND

James McGregor, of Terre Haute, died some years ago leaving a will which created the James McGregor Student Endowment Fund. This fund consists of \$100,000, the income of which is to be used for the benefit of young men and young women attending non-sectarian educational institutions in Vigo County. The proceeds of this fund are divided between the Indiana State Normal School and Rose Polytechnic Institute, at Terre Haute. This fund yields annually about \$2,500 to each of these institutions. That part of it appropriated to the State Normal School is administered by the President of the faculty and awards are made by him.

THE PURPOSE OF THE SCHOOL

The statute of 1865 which created the Indiana State Normal School clearly defined its object. This was declared to be "the preparation of teachers for teaching in the common schools of Indiana." The General Assembly of 1907 clearly defined the common or public schools as consisting of (a) elementary schools, including the first eight years of school work, and (b) high schools. The State Normal School, then, is not an institution for general culture for its own sake; it is a special school—a professional school. Its sole purpose is to confer on the students that education, discipline, professional training and practical skill which will best fit them for teaching in the public schools of Indiana. The school limits its attention and work to this one thing—the preparation of teachers for teaching in the common schools of Indiana. No person is admitted who does not promise to teach in the common schools of the state, and all of the work of the school has this one end in view. Perhaps a brief statement of the school's work in its attempt to fulfill this one object of its existence may aid some to determine whether or not they wish to become students.

The State Normal School fully recognizes the importance of special preparation of teachers for both elementary and high schools, and offers the best advantages to both classes. In the preparation for either phase of teaching, three general principles must be recognized as essential: (1) The teacher must be thoroughly grounded in the particular subjects which he is to teach; (2) he must be a student of the principles

involved in the presentation of these subjects and of the science of teaching in general; (3) he must supplement this special preparation with a mastery of some broader cultural subjects.

EXTENSION WORK

A department for offering extension work, both through sending lecturers to local schools and through correspondence, has been opened. Something more than a thousand students were enrolled in extension classes during the fall quarter of 1922. Those desiring to take work in extension classes are asked to write to the Director of Extension Work, Terre Haute.

The attendance of resident students has shown a steady increase for many years. During the summer quarter of 1922, the attendance exceeded twenty-one hundred students.

EASTERN DIVISION

In the spring of 1918 the Ball brothers of Muncie, Indiana, offered to donate to the Indiana State Normal School the school property known as the Muncie National Institute, which had recently come into their possession. This property consists of a very beautiful school building situated in the center of a splendid tract, a commodious dormitory for women, which will accommodate from sixty to seventy-five, and a tract of about sixty acres adapted in every way to an extension of the school as it may grow, and for all garden and agricultural purposes. The donation also includes a tract of land of about equal size which has been transferred to a trust company in trust, to be used for the benefit of the institution.

After thorough investigation and consideration, the board of trustees decided to accept this generous offer and establish in this property a branch of the State Normal School to be known as the Eastern Division. The property was thoroughly repaired and renovated, the equipment enlarged, needed furniture bought, the library reorganized and greatly added to. The whole property was put in first-class condition and a competent faculty of trained men and women employed for the work.

By action of the board of trustees during the past year, an addition has been made to the name of the Eastern Division of the Indiana State Normal School. The title now reads, THE BALL TEACHERS' COLLEGE, EASTERN DIVISION INDIANA STATE NORMAL SCHOOL. This addition to the name was made in honor of the Ball brothers, who gave the entire institution to the Indiana State Normal and who are maintaining their splendid interest in this institution.

Through a magnificent gift of \$250,000 during the past year to the Eastern Division by the Ball brothers of Muncie, a fine, modern gymnasium will be erected on the campus at the Eastern Division within the coming few months. This building will be modern in every respect and will be a great addition to facilities for physical education at Muncie.

A science building is now being erected on the campus at Muncie. The legislature of 1921 appropriated a sum of \$125,000 for the erection

of this new building. The board of trustees has had a study made of the campus with the view to locating all new buildings on a quadrangle that shall be artistic and attractive in every way. The new Science Hall is the second building in that quadrangle.

During the past summer a splendid set of six tennis courts, thoroughly modern in every way, have been laid out. These courts are the last word in efficiency for the playing of tennis.

A training school is maintained at the Eastern Division. One of the grade schools of the city of Muncie is used for this purpose. This building is situated not far from the Normal campus and students having training work in grade subjects pass to this building. Here they get expert attention from well-trained teachers. The training work in high school subjects is done in the Muncie high school, a magnificent modern building offering every facility for good school work.

A flourishing extension department is maintained at the Eastern Division. More than seven hundred students are enrolled in the classes. Much good work is being done in this way.

The courses in the State Normal School at Terre Haute are being paralleled in the Eastern Division at Muncie.

The attendance at the Eastern Division College has grown steadily since the institution was put under state control in 1918. More than eleven hundred students were enrolled there in the summer of 1922. The attendance during each of the other quarters for the past year has shown an increase over the enrollment of the corresponding quarters in past years.

ORGANIZATION OF THE SCHOOL

A president is in charge of both normal schools, the parent school at Terre Haute, and the Ball Teachers' College at Muncie. In each school a dean of the faculty is general assistant to the president. In addition, each school has a dean of women and a dean of men, heads of departments, associate professors, assistant professors, a head librarian and assistants, and teachers in the training schools.

In addition to these regular teachers, it has been found necessary in the spring and summer quarters, when the attendance is very much larger than at other times in the year, to employ many temporary teachers.

The following departments of instruction are maintained:

Educational Psychology, Observation, Method and Practice, Physics, Physiology, Literature, History of Education, Penmanship and Drawing, English, Mathematics, Latin, French, Spanish, Geography and Geology, Rural Education, History and Economics, Zoölogy, Botany, Agriculture, Chemistry, Industrial Arts, Domestic Economy, Public Speaking and Reading, Music, Primary Instruction, Physical Education (Men) and Physical Education (Women).

STATISTICS

The following table represents the number of Normal School students enrolled during each quarter since the organization of the school:

YEAR	ENROLLMENT						Average Term Enroll- ment	Whole Number of Different Students
	Fall Term	Winter Term	First Spring Term	Second Spring Term	Third Spring Term	Summer Term		
1870.....		40	66				53	66
1870-1871.....	36	33	84				51	135
1871-1872.....	76	85	131				97	153
1872-1873.....	96	106	197				133	228
1873-1874.....	125	74	279				158	304
1874-1875.....	143	146	218				169	
1875-1876.....	121	118	183				140	227
1876-1877.....	103	120	246				156	282
1877-1878.....	171	187	413				257	450
1878-1879.....	216	198	385				266	472
1879-1880.....	200	218	372				263	454
1880-1881.....	258	270	478				335	558
1881-1882.....	258	254	424				312	529
1882-1883.....	270	297	539				371	640
1883-1884.....	308	329	542				393	646
1884-1885.....	301	320	583				401	705
1885-1886.....	353	369	611				444	780
1886-1887.....	319	334	636				429	760
1887-1888.....	376	375	626				459	789
1888-1889.....	349	379	686				471	806
1889-1890.....	358	359	671				463	823
1890-1891.....	386	421	770				526	932
1891-1892.....	439	441	957				612	1,105
1892-1893.....	441	372	930				581	1,093
1893-1894.....	381	436	1,183				666	1,330
1894-1895.....	598	680	981			110	592	1,274
1895-1896.....	526	534	1,167			202	607	1,572
1896-1897.....	454	498	1,351			306	652	1,640
1897-1898.....	537	572	1,189			618	729	1,711
1898-1899.....	511	568	882			663	656	1,538
1899-1900.....	479	501	1,087			536	689	1,628
1900-1901.....	410	446	1,172			674	676	1,624
1901-1902.....	476	511	1,198			726	728	1,406
1902-1903.....	462	457	1,124			600	677	1,316
1903-1904.....	498	504	1,070			634	658	1,576
1904-1905.....	452	463	1,222			751	722	1,817
1905-1906.....	488	498	1,251			854	746	2,081
1906-1907.....	447	483	1,313			1,084	748	2,198
1907-1908.....	529	541	1,400	451		902	764	2,790
1908-1909.....	488	523	1,216	369		791	677	3,129
1909-1910.....	543	589	1,165	410		774	696	2,922
1910-1911.....	481	506	1,058	615		769	686	2,096
1911-1912.....	516	586	882	449	504	812	625	2,935
1912-1913.....	611	624	875	492	419	973	665	2,648
1913-1914.....	650	682	1,003	906		1,112	881	3,402
1914-1915.....	696	762	1,265	975		920	925	3,183
1915-1916.....	781	853	1,469			1,726	1,207	3,051
1916-1917.....	847	888	1,207			1,377	1,080	2,569
1917-1918.....	591	681	659	439		953	665	1,539
1918-1919.....	540	443	681	400		1,078	641	1,936
1919-1920.....	573	575	971			1,376	873	1,296
1920-1921.....	613	676	696			1,787	945	3,023
1921-1922.....	874	974	990			2,130	1,227	3,222

EASTERN DIVISION, MUNCIE

1917-1918.....						383		383
1918-1919.....	225	157	300	484		199	441	1,023
1919-1920.....	180	211	365			902	415	1,200
1920-1921.....	217	241	334			1,016	454	1,320
1921-1922.....	431	450	470			1,101	613	1,610

TREASURER'S REPORT INDIANA STATE NORMAL SCHOOL

October 1, 1921, to September 30, 1922

TERRE HAUTE DIVISION

	Receipts		Disbursements	Balance Sept. 30, 1922
<i>General Fund</i>				
Balance October 1, 1921.....	\$13,213 60			
Receipts.....	20,691 50			
Total balance and receipts.....		\$33,905 10		
Disbursements.....			\$19,741 09	
Balance September 30, 1922.....				\$14,164 01
<i>Payroll and Miscellaneous Fund</i>				
Balance October 1, 1921.....	679 23			
Receipts, one-fifth of 1c special tax.....	51,188 97			
Receipts, part one-fifth of 5c tax.....	374,190 76			
Total balance and receipts.....		426,058 96		
Disbursements.....			377,357 82	
Balance September 30, 1922.....				48,701 14
<i>Building Fund</i>				
Balance October 1, 1921.....	06			
Receipts from and of State.....	5,000 00			
Total balance and receipts.....		5,000 06		
Disbursements.....			5,000 00	
Balance September 30, 1922.....				06
<i>Library Fund</i>				
Balance October 1, 1921.....	7,199 06			
Receipts.....	19,728 00			
Total balance and receipts.....		26,927 06		
Disbursements.....			13,297 55	
Balance September 30, 1922.....				13,629 51
<i>Athletic Fund</i>				
Balance October 1, 1921.....	669 75			
Receipts.....	4,931 50			
Total balance and receipts.....		5,601 25		
Disbursements.....			5,629 12	
Overdraft September 30, 1922.....				27 87
Totals Terre Haute Division.....		\$497,492 43	\$421,025 58	\$76,494 72
Less overdraft.....				27 87
Net balance Terre Haute Division.....				\$76,466 85

EASTERN DIVISION

	Receipts		Disbursements	Balance Sept. 30, 1922
<i>General Fund</i>				
Balance October 1, 1921.....	\$1,294 61			
Receipts.....	8,292 09			
Total balance and receipts.....		\$9,586 70		
Disbursements.....			\$3,727 86	
Balance September 30, 1922.....				\$5,858 84
<i>Payroll and Miscellaneous Fund</i>				
Balance October 1, 1921.....	0 00			
Receipts.....	122,410 30			
Total balance and receipts.....		122,410 30		
Disbursements.....			122,410 30	
Balance September 30, 1922.....				0 00
<i>Building Fund</i>				
Balance October 1, 1921.....	0 00			
Receipts.....	31,135 42			
Total balance and receipts.....		31,135 42		
Disbursements.....			34,234 03	
Overdraft September 30, 1922.....				3,098 61
<i>Library Fund</i>				
Balance October 1, 1921.....	5,498 32			
Receipts.....	10,108 00			
Total balance and receipts.....		15,606 32		
Disbursements.....			4,389 11	
Balance September 30, 1922.....				11,217 21
<i>Athletic Fund</i>				
Balance October 1, 1921.....	1,271 42			
Receipts.....	2,527 00			
Total balance and receipts.....		3,798 42		
Disbursements.....			2,051 96	
Balance September 30, 1922.....				1,746 46
<i>Eastern Division Improvement Fund</i>				
Balance October 1, 1921.....	3,238 50			
Receipts.....	5,037 01			
Total balance and receipts.....		8,275 51		
Disbursements.....			4,600 42	
Balance September 30, 1922.....				3,675 09
Totals Eastern Division.....		\$190,812 67	\$171,413 68	\$22,497 60
Less overdraft.....				3,098 61
Net balance Eastern Division.....				\$19,398 99

SUMMARY

FUNDS	Balance Oct. 1, 1921	Receipts	Total Balance and Receipts	Disbursements	Balance Sept. 30, 1922
<i>Terre Haute Division</i>					
General Fund.....	\$13,213 60	\$20,691 50	\$33,905 10	\$19,741 09	\$14,164 01
Payroll and Misc. Fund.....	679 23	425,379 73	426,058 96	377,357 82	48,701 14
Building Fund.....	06	5,000 00	5,000 06	5,000 00	06
Library Fund.....	7,199 06	19,728 00	26,927 06	13,297 55	13,629 51
Athletic Fund.....	669 75	4,931 50	5,601 25	5,629 12	*27 87
<i>Eastern Division</i>					
General Fund.....	1,294 61	8,292 09	9,586 70	3,727 86	5,858 84
Payroll and Misc. Fund.....		122,410 30	122,410 30	122,410 30	
Building Fund.....		31,135 42	31,135 42	34,234 03	*3,098 61
Library Fund.....	5,498 32	10,108 00	15,606 32	4,389 11	11,217 21
Athletic Fund.....	1,271 42	2,527 00	3,798 42	2,051 96	1,746 46
E. Div. Improvement Fund..	3,238 50	5,037 01	8,275 51	4,600 42	3,675 09
Totals.....	\$33,064 55	\$655,240 55	\$688,305 10	\$592,439 26	\$98,992 32
Less overdrafts*					3,126 48
Net balance (All Funds)					\$95,865 84

REPORT OF STATE DEPARTMENT OF PUBLIC INSTRUCTION

OFFICIAL STAFF

BENJ. J. BURRIS, State Superintendent of Public Instruction.
LEONARD B. JOB, Assistant State Superintendent of Public Instruction.
MAUDE M. WELLS, Deputy.
HELEN K. BILLS, Stenographer.

DIVISION OF LICENSING TEACHERS

ROBERT K. DEVRICKS, Clerk.
MARK P. HELM, Assistant Clerk.*
ERMINA MOORE, Assistant Clerk.
....., Stenographer.

DIVISION OF VOCATIONAL EDUCATION

E. A. WREIDT, State Director of Vocational Education.
Z. M. SMITH, Supervisor of Agricultural Education.
BERTHA LATTA, Supervisor of Home Economics Education.
H. G. McCOMB, Supervisor of Industrial Education.
H. F. BURTON, Assistant Supervisor of Rehabilitation.
JOHN S. HUBBARD, Assistant Supervisor of Rehabilitation.
GLEN ANDERSON, Stenographer.
LENA ASHER, Stenographer.
EVA B. JOHNSON, Stenographer.

DIVISION OF TEACHER TRAINING

CHARLES M. CURRY, State Supervisor of Teacher Training.
MARJORIE E. FORD, Assistant and Secretary.
MABEL C. STANLEY, Stenographer and File Clerk.

DIVISION OF SCHOOL INSPECTION

E. E. RAMSEY, Inspector.
W. E. WAGONER, Assistant Inspector.
ANNA PEARSON, Secretary.
....., Stenographer and Clerk.

DIVISION OF SCHOOL ATTENDANCE

BLANCHE MERRY, State Attendance Officer.
CORA B. MULL, Secretary.

FOREWORD

As indicated in our report of last year, a comprehensive investigation of Indiana's public school system has been made. The investiga-

tion was made by the General Education Board of New York. The purpose of the study was to inform the citizens of Indiana fully concerning our public school system so that they could discuss its needs intelligently and assist in bringing about necessary legislation. The investigation covered the state normal schools and the two state universities, the State Department of Public Instruction, the State Board of Education and an exhaustive study of problems of the public elementary and high schools of Indiana.

Recommendations based upon the findings of the General Education Board have not yet been made. Indications are that some sweeping changes will be recommended regarding the following: (1) state school administration, (2) local school administration, (3) training of teachers, (4) certification of teachers, and other problems of less importance. While Indiana's citizens have excellent reasons to be somewhat proud of the state's school system and its achievement in promoting the growth of proper social, economic and political ideals, yet all well informed citizens will agree that there is still room for improvement and that there is at this time need of some changes in the system. We look with confidence to the future, believing that the citizenship of Indiana has the courage and good judgment to make such changes or modifications in its system of education as will best conform to the needs of society.

SOME NOTABLE IMPROVEMENTS

(1) SCHOOL TERM AND TEACHERS' SALARIES

In 1918 reliable authorities rated Indiana thirty-first when compared with other states in length of the school term. The 1920 special session of the General Assembly enacted a minimum wage law for teachers, fixing the minimum wage at \$800.00. This law became effective after many teachers had been employed for the year 1920-1921. In the fall of 1921 all teachers' contracts were affected by this law. The operation of the law created a sudden demand for a school term of at least eight months in all rural communities where terms had been much shorter. Unusual progress has thus been made in this field, increasing greatly the service the schools render. In 1918 Indiana ranked twenty-second when compared with other states, from the standpoint of teachers' salaries. The minimum wage law placed Indiana in an advanced position with respect to teachers' salaries. With the increase in teachers' salaries came a hundred per cent increase in the enrollment in teacher training institutions, thus showing that the benefits from an increase in teachers' salaries accrue to pupils and the public as well as to the teacher.

(2) SCHOOL ATTENDANCE

In the regular session of the General Assembly of 1921 a compulsory school attendance law was enacted. The old law provided that a pupil might, under certain circumstances, obtain an employment certificate upon completion of the fifth grade in school. The new law provides that an employment certificate shall not be issued until a pupil has completed the elementary school course. This law, which provides

for a state attendance officer and empowers the State Attendance Board to fix the qualifications of county and city attendance officers, has greatly strengthened the personnel of the attendance officers. It has placed Indiana at the forefront in regular attendance.

(3) TEACHERS' INSTITUTES

During the year an effort was made to reorganize the township teachers' institute with the idea of making it a more effective agency for training teachers in service. Under the new plan, one-half day is given to the study of professional subjects under the direction of one or more representatives from an approved college, normal school or university. This effort is bringing the benefits of the college, normal school or university to the county seat where the teachers' study is systematically directed. Between sixty-five and seventy per cent of the township teachers have taken advantage of the plan. The per cent of city teachers enrolled is much less. The result of the movement has more than fulfilled the expectations of those who favored its adoption.

(4) SCHOOL SANITATION AND HEALTH

Within the year marked interest has been shown in the improvement of public school health. Calls for competent persons who teach health and hygiene and examine school children have been so numerous that it scarcely has been possible to find competent teachers to meet the demand.

With these comments we direct the reader's attention to the following reports of the various divisions of the State Department. The statistical tables which follow the division reports are included for the information they may give to the school administrators of the state. Lack of space prevents the State Department from going into a study and interpretation of the statistics for this report.

DIVISION OF TEACHER TRAINING

OSCAR H. WILLIAM, Supervisor.

Among the important developments of the year in the state program of teacher training was the redirection of Class A and Class B work. In the readjustment of this work, following the enactment of the Vesey law in 1919, these courses became an integral part of the two-year elementary curriculum. This meant that the twelve and twenty-four weeks' courses, required of beginning teachers and teachers of one year's experience, respectively, had only the general objective of a two-year curriculum. This objective was primarily preparation for teaching in city schools.

One of the early outcomes of the state educational survey was the revelation of the generally poor teaching going on in the rural schools. This revelation was confirmed in a series of conferences held between the State Department and county superintendents during February, 1922. It was apparent that the training of these beginning teachers was faulty and inadequate. Beginning in March, in a series of confer-

ences the State Teachers' Training Board developed short intensive courses of twelve weeks each, calculated to prepare for the specific work of teaching in one- or two-room rural schools. The teacher training institutions giving Class A and Class B work, twenty in all, entered whole-heartedly into the redirected program and the results became readily apparent in enhanced interest on the part of the students in the work of teaching in rural schools.

A manual entitled, "Rural Teacher Training in Indiana," was issued by the training board and became the standard for this work throughout the state.

THE NEW TWO-YEAR COURSES

Similarly a third twelve weeks' course, following closely on Class B work, was planned to complete a year of rural teacher training. The two-year course, hitherto embracing a wide range of electives, was reconstructed according to the principle of concentration and given much more specific direction toward elementary teacher preparation. Not only the wide range of electives, but also foreign language, commerce, practical arts, and other irrelevant subjects, were excluded. It constituted a program of more specific teacher training than had hitherto prevailed—a training for the job in a real sense.

ESSENTIALS IN TEACHER TRAINING

The basic elements of the new curriculum consist of (a) a group of "professional courses", (b) so-called teachers' courses in the fundamental school subjects, (c) general academic or cultural courses, and (d) a small range of electives, "non-preparation work" in music, drawing, handwriting, and other subjects requiring drill for mastery, is also specified to the amount of one-seventh of the whole.

Together with the professional group, which has the most direct bearing upon the preparation of the teacher, the teachers' courses, so-called, comprising about one-fifth of the entire curriculum, form the core of the redirected program. Consisting of fundamental and basic instruction, about one-half time, and subject-matter for, and observation of, teaching in the grades, one-half time, these teachers' courses contribute in no small degree to the professional equipment of the teacher. Though primarily subject-matter courses, they are treated at all times from the viewpoint of the teacher.

Anyone interested in pursuing the subject further should write the State Department of Public Instruction for Educational Bulletin No. 59, "Essentials in Teacher Training."

CONFERENCES ON RURAL TEACHER TRAINING

So vital had become the necessity of more adequate rural teacher preparation, the State Department in May conducted three regional conferences on the general subject of rural teacher training. These conferences were held at North Manchester, Indianapolis, and Terre Haute. The discussions were based on the redirected Class A and B work but went beyond these courses to the fundamentals in all teacher training. The conferences were uniformly successful and contributed in no small

degree to an understanding on the part of all concerned of the problems involved. One gratifying feature was the participation of leading city and county superintendents, along with the teacher training faculties, in these conferences. In fact, such conferences have become an established feature of the state program of teacher training.

MENTAL SURVEY OF TEACHER RECRUITS

A study was made, under the general supervision of the State Department, of the native mental capacity or intellectual quality of the high school graduates who are taking up the work of teaching. A standard group intelligence test—the Indiana University Scale, Schedule D—was given to 1,387 Class A and 944 Class B students enrolled in the summer schools of the state.

The purpose of the study was to determine, as far as it is possible to do with the instruments at hand, the intellectual quality of the young people entering the teaching profession, as compared with the recruits of other professions. Similar studies have previously been made, notably the mental survey of 6,188 Indiana high school seniors in the spring of 1919. There are data available, therefore, for comparisons.

A summary of the findings of this survey appears below. In general, it was found the native mental endowments of the teacher recruits constitute a fair average of the intellectual abilities of all high school graduates. They do not rank as high as the recruits of other learned professions, but are higher than those entering skilled trades or agricultural pursuits. Class B beginners show a higher average of mental power than Class A. Those expecting to make teaching their life work rank several points higher in the scale than those going into teaching work temporarily.

A correlative test of ability to use good English—the Purdue English test—was made at the same time, and the results tabulated. The showing with respect to the ability to use correct English on the part of these teacher recruits was far from favorable.

CERTIFICATION OF TEACHERS

Closely allied to the problem of training teachers is the proper kind of certification of teachers. The two processes are kindred aspects of the same problem. Certification should be based on training, provided the training has been properly tested by teaching experience.

The Vesey law of 1919, and the amended law of 1921, both carried the wise provision for granting certificates, without examination, to graduates from approved courses. During the fiscal year just closed, the training board granted 619 provisional four-year certificates, and 592 life certificates, to graduates from approved two-year and four-year courses. Thus in a period of twelve months, 1,211 teachers were equipped with completed courses of preparation and were rewarded with appropriate certificates for teaching.

A notable step was taken by the training board in making the certification conform to the training. It established a system of majors and minors in certification. A major for certification purposes consisted of 20 semester hours' credit, a minor of 10 semester hours in a related

subject. To illustrate, a major in English may have for related minors courses in public speaking, dramatic art and expression, and Bible history and literature. A history major may be combined with a minor in economics, civics, political science, and social science, and a certificate issued in the major and each related minor. The recommendation was made that students include two such majors, or a major and two minors, in planning their courses.

TRAINING IN SERVICE THROUGH INSTITUTE EXTENSION

The plan inaugurated last year for conducting college or normal school extension courses for credit, based on the adopted reading circle books, in connection with the monthly teachers' institutes, was extended and broadened this year. The plan is being widely followed in the state and promises to become one of the most important steps ever taken for furthering training of teachers in service.

SUMMARY

By way of conclusion, a summary may be made of the activities of the Division of Teacher Training during a period of three years:

1. *Planning Courses of Training.* Always done in consultation with instructional talent of colleges and normal schools of the state. Two manuals with courses of teacher training issued.

2. *Visits for Consultation.* Every higher institution of learning engaged in the training of teachers, at present thirty-five, has been visited from two to six times, for purposes of consultation and suggestion on the work outlined by the board.

3. *Conferences.* An annual state conference, and two series of regional conferences, have been conducted for the purpose of bringing together those concerned in the training and employing of teachers, for exchange of views and experiences.

4. *Certification of Teachers.* The division has reviewed the courses and recommended life or provisional certificates for elementary teachers and high school teachers, who have graduated from the accredited courses.

5. *Standardization of Colleges and Normal Schools.* As an agency of the training board the division applies the prescribed standards to individual institutions and thereby determines the grade or class to which a given institution belongs. A classified directory of normal schools and colleges was issued during the year.

6. *Listing and Checking Institutions Outside the State.* Following the requirement of the law, the division has prepared complete lists of recognized teacher training institutions of other states, and excluded from certification privileges low-grade institutions which are not recognized.

7. *Circulars of Information.* Sent every other month to teacher training institutions, carrying essential information in order that the work may be properly unified and co-ordinated in every part of the state.

STATISTICAL SURVEY

SUMMER SESSION REGISTRATION

ENROLLMENTS JULY 1

Class A Enrollments

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Standard Colleges.....	717	746	820	756	5.43
Standard Normal Schools.....	770	696	1,063	1,092	41.81
Normal Departments.....	24	101	91	175	625.00
City and Special Normals.....	4	5	28	.....	.....
Total.....	1,515	1,548	2,002	2,033	34.18

Indianapolis and Ft. Wayne Normal Schools were discontinued in 1922

Class B Enrollments

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Standard Colleges.....	525	437	525	471	10.28
Standard Normal Schools.....	292	550	558	731	150.85
Normal Departments.....	30	58	121	174	480.00
City Normal and Special Schools.....	2	4	22	11	450.00
Total.....	1,151	1,049	1,226	1,387	19.63

SUMMER SESSION REGISTRATION

ENROLLMENTS JULY 1

TOTAL REGISTRATION IN COURSES OF COLLEGIATE OR NORMAL SCHOOL GRADE

I—STANDARD COLLEGES

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Butler College.....	106	166	244	230	116.09
DePauw University.....	88	56	153	173	96.59
Evansville College.....	.....	.....	.....	72	.....
Franklin College.....	116	170	265	308	79.31
Goshen College.....	100	112	162	83	17.00
Hanover College.....	91	120	186	280	207.69
Indiana Central College.....	47	51	70	124	163.92
Indiana University.....	1,308	1,479	1,652	1,758	34.40
Manchester College.....	36	40	48	442	1,102.77
Notre Dame University.....	329	463	620	575	74.77
Oakland City College.....	230	229	349	602	161.73
Purdue University.....	.....	40	171	252	.....
St. Mary's College.....	.....	36	33	33	.....
St. Mary-of-the Woods.....	645	662	607	576	10.69
Valparaiso University.....	975	1,168	525	.....	.....
Total.....	4,091	4,792	5,075	5,508	34.66

II—STANDARD NORMAL SCHOOLS

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Central Normal College.....	720	750	931	747	3.75
State Normal School (Terre Haute).....	791	938	1,451	2,151	171.93
State Normal School (Muncie).....	536	902	982	1,106	106.34
Teachers College (Indianapolis).....	390	395	533	537	37.68
Tri-State College.....	126	201	180	382	123.80
Valparaiso University.....				399	
Total.....	2,563	3,186	4,059	5,322	107.68

III—NORMAL DEPARTMENTS IN NON-STANDARD COLLEGES

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Ferdinand Academy.....			72	13	
Oldenburg Academy.....	104	180	175	140	34.61
Evansville College.....		80	228		
Huntington College.....	20	50	54	80	200.00
Marion College.....				120	
St. Joseph.....				33	
Vincennes University.....				188	
Winona.....				461	
Total.....	124	310	529	1,035	734.67

IV—CITY NORMAL AND SPECIAL SCHOOLS

	1919	1920	1921	1922	Per Cent Gain 1922 over 1919
Fort Wayne Normal.....		20	80		
Normal College, N. A. G. U.....			50		
Indiana College of Music and Fine Arts.....				11	
Grand Totals.....	6,778	8,288	9,793	11,876	75.21

STATISTICAL SUMMARY OF LIFE AND PROVISIONAL
CERTIFICATES ISSUED

(Fiscal Years 1919, 1920, 1921 and 1922, ending September 30, respectively.)

TRAINING INSTITUTIONS INSIDE THE STATE

STANDARD COLLEGES

To Graduates of:	Provisional Certificates				Life State Certificates			
	1919	1920	1921	1922	1919	1920	1921	1922
Butler College.....		6	12	9		1	15	5
DePauw University.....		16	19	17	12	12	40	25
Earlham College.....		11	13	12	3	7	15	25
Evansville College.....				4				
Franklin College.....		17	5	4	4	7	8	3
Goshen College.....			4	8		1	7	3
Hanover College.....		8	10	9	3	4	7	5
Indiana Central College.....			9	5				
Indiana University.....	1	6	12	10	25	41	178	33
Manchester College.....		7	8	9		2	1	4
Notre Dame University.....							2	2
Oakland City College.....			5	7	1	2	4	5
Purdue University.....	15	51	48	45	1	7	16	18
St. Mary's of the Woods Col.....		14	8	26		21		10
Valparaiso University.....	1	4	8		2	12	14	
St. Mary's College.....				4				2
Wabash College.....					4	2	5	7
Total.....	17	140	161	169	55	119	312	152

STANDARD NORMAL SCHOOLS

To Graduates of:	Provisional Certificates				Life State Certificates			
	1919	1920	1921	1922	1919	1920	1921	1922
Central Normal College.....		11	18	10	1	5	12	11
Indiana State Normal School.....	10	45	87	54	16	31	69	54
Indiana State Normal School Eastern Division.....		6	17	4		3	1	4
Teachers College of Indianapolis.....	1	50	79	104	28	25	25	32
Tri-State College.....		3	9	6	9	7	13	8
Valparaiso University.....				7			10	14
Total.....	11	115	210	185	52	77	113	123

NORMAL DEPARTMENTS

To Graduates of:	Provisional Certificates				Life State Certificates			
	1919	1920	1921	1922	1919	1920	1921	1922
Art Institute.....			1	5				
Convent of Sisters of St. Francis.....		13	36	16	3	6	9	1
Evansville College.....		4	10				3	
Huntington College.....			2	4				
Moore's Hill.....							1	2
Normal College, N. A. G. U.....		3	3	3				1
Muncie National Institute.....					2		4	5
South Bend Training School.....				9	3	1	4	
Marion Normal College.....				9				2
Vincennes University.....		3		9				
Winona Normal College.....				2			1	4
Total.....		23	52	48	8	7	22	15

CITY TRAINING SCHOOLS

To Graduates of:	Provisional Certificates				Life State Certificates			
	1919	1920	1921	1922	1919	1920	1921	1922
Evansville Normal.....			14	9	1	10	1	3
Fort Wayne Normal.....		10	45	35	2	30	8	5
Indianapolis Normal.....			19	34	1	1	3	1
Total.....		10	78	78	4	41	12	9

TRAINING INSTITUTIONS OUTSIDE THE STATE

To Graduates of:	Provisional Certificates				Life State Certificates			
	1919	1920	1921	1922	1919	1920	1921	1922
University of Chicago.....	4	5	8	2	5	18	26	19
University of Illinois.....	2		1		2	2	11	6
University of Michigan.....					2	1	11	6
University of Wisconsin.....				1		2	4	5
Columbia University.....			1	2		4	6	1
Michigan State Normal (Ypsilanti).....	6		6	7	3	20	11	5
Western Michigan State Normal (Kalamazoo).....			6	5			4	2
Other Institutions.....	12	25	94	75	20	18	151	149
Total.....	24	30	110	92	32	65	224	193

FINANCIAL STATEMENT

RECEIPTS

From Fees—		
For Life State Certificates.....	\$3,459 25	
For Provisional Certificates	999 00	
		\$4,458 25
On deposit (transferred from Bankers' Trust Company).....		14 55
		4,472 80
From General Appropriation		5,664 28
Total Receipts		\$10,137 08

DISBURSEMENTS

Printing and Office Supplies	\$2,406 97	
Postage	390 00	
Traveling Expenses	626 63	
Telephone Tolls	29 19	
Telegrams	52 03	
Office Furniture	117 05	
Fees Returned	7 00	
		\$3,628 87
Salaries—		
Oscar H. Williams.....	3,600 00	
Marjorie E. Ford	1,400 00	
Mabel C. Stanley	1,200 00	
Special—		
Roy B. Julian	276 21	
Mrs. S. D. Sample	32 00	
		6,508 21
Total Disbursements		\$10,137 08

SUPPLEMENTARY FINANCIAL STATEMENT

The division of licensing of teachers had on hand October 1, 1922, \$7,013.87. No unpaid or outstanding bills stand against this sum. This is a clear balance for the fiscal year beginning October 1, 1922, and ending September 30, 1922.

If from the license division balance of \$7,013.87, is taken the teacher training total drawn from the general appropriation of \$5,664.28, there is left a net balance of \$1,349.59.

Thus the two divisions of teacher training and licensing of teachers combined, show a net balance of \$1,349.59. In a word, the work of these divisions, including the licensing of some 15,000 teachers, the issuing of 1,211 life and provisional licenses, the supervision of courses and inspections of normal schools and colleges and the supervision of the township and city institutes for the year 1922-23, including all printing and supplies for same, not only did not cost the taxpayers a cent but leaves a clear profit to revert to the general fund of \$1,349.59.

DIVISION OF LICENSING TEACHERS

The following kinds of licenses may be used in teaching in the public schools of the state:

ELEMENTARY SCHOOLS

Twelve, twenty-four and thirty-six months common school license.

Primary license for grades 1-4.

Exemption common school license.

Elementary provisional certificate.

Elementary life state certificate.

State Normal diploma.

Professional (eight-year) license.

Life state license (by examination).

HIGH SCHOOL

Twelve, twenty-four and thirty-six months high school license. (Issued in the subjects that are to be taught.)

Exemption high school license. (Exempt in subjects found on license.)

High school provisional certificate.

High school life state certificate.

State Normal diploma.

Professional (eight-year) license.

Life state license by examination.

The following licenses are not mentioned above: Explanation following each will define its use.

PROVISIONAL AND LIFE STATE SPECIAL CERTIFICATE

Provisional and life state special certificates are issued in kindergarten, kindergarten primary, primary and special subjects such as music, art, domestic science, etc. The certificates will specify whether for elementary or high schools.

JUNIOR HIGH SCHOOL LICENSE

Subjects included in this license qualify the teacher for teaching the subjects mentioned therein in the 9th, 10th, 11th and 12th grades, and the corresponding subjects in the 8th grades. The common school subjects mentioned in this license qualify for teaching such subjects in junior high schools.

SUPERVISORS' LICENSES

Supervisors' licenses qualify for teaching or supervising the subject upon which the licenses are granted in both the elementary and high schools. Exemptions are issued on 36 months supervisors' licenses.

SPECIAL COMMON SCHOOL LICENSES

Special licenses are issued in music, domestic science and agriculture, which qualify the teachers for teaching these special subjects in the elementary schools. These subjects may be included on the 12, 24 and 36 months common school licenses or may be taken on a separate examination.

MANUSCRIPTS RECEIVED

October 1, 1920, to September 30, 1921

and October 1, 1921, to September 30, 1922

	1921	1922
Common school Plan I.....	8,775	11,309
Common school Plan I, cond.	2,906	3,406
Common school—Plan II, Div. I.....	76	77
Common school—Plan II, Div. II.....	24	32
High school	7,425	9,384
Supervisor	2,776	3,272
High school credit	821	1,270
Total number manuscripts received	22,803	28,750

LICENSE DIVISION

DISBURSEMENTS

From October 1, 1921, Through September 30, 1922

	Grading MSS.	Salaries	Miscellaneous	Total
October, 1921.....	\$306 00	\$391 67	\$19 54	\$717 21
November, 1921.....		391 66		391 66
December, 1921.....		391 70		391 70
December 30, 1921, Paid to State Treasurer, Ora J. Davies			4,270 02	4,270 02
January, 1922.....				
February, 1922.....	1,214 72	783 32		1,998 04
March, 1922.....		476 66		476 66
April, 1922.....	1,252 00	476 66	8 15	1,736 81
May, 1922.....	1,141 52	476 66	9 25	1,627 43
June, 1922.....	1,849 36	481 66	7 15	1,338 17
July, 1922.....	772 00	481 66		1,253 66
August, 1922.....	855 04	491 66	36 30	1,383 00
September, 1922.....	344 56	491 72		836 28
Total Disbursements.....	\$6,735 20	\$5,335 03	\$4,350 41	\$16,420 64
September 30, 1922, Balance in Continental National Bank.....			\$4,485 67	
September 30, 1922, Balance in Security Trust Company.....			2,528 20	
September 30, 1922, Total Cash in Banks.....				7,013 87
Total.....				\$23,434 51

INCREASE PER CENTS FOR 1921 AND 1922
Based on Five Years' (1916-1920) Average

	Total Mss. All Kinds	Total Income, Fees, Interest, etc.	Disbursements		Profit
			Grading	Salaries	
Average for five years, 1916-1920	17,968	\$11,991 61	\$4,280 72	\$4,070 74	\$3,640 15
1921	23,086	15,046 19	5,545 63	5,230 54	4,270 02
Per cent increase based on average for five years, 1916-1920	28.4%	25.4%	29.5%	28.4%	17.3%
1922	28,750	18,765 56	6,735 20	5,515 39	6,514 97
Per cent increase based on average for five years, 1916-1920	60%	56.4%	57.3%	35.4%	78.9%

NOTE—The above figures are based on calendar (examination) year.

DIVISION OF ELEMENTARY AND HIGH SCHOOL INSPECTION

E. E. RAMSEY, State School Inspector.

The change in the law regarding inspection has made necessary a reorganization of the work of this division. As stated in the last report, the inspection and classification of elementary schools were added to the duties of the inspectors. An elementary score card was evolved during the year ending September 30, 1921. Slight modifications were made in this card during the present year, further note of which will be made in a later section.

On August 1st, E. B. Wetherow resigned his position as State School Inspector, and E. E. Ramsey was appointed to take his place.

ADDITIONAL DUTIES OF INSPECTORS

To the duties of the division as listed in the last annual report there have been added the following duties:

1. Classification of elementary schools, through city and county superintendents, who serve as local co-operating agents for the inspectors.
2. Approval of library books, reference books, supplementary reading, maps, globes, charts, projection apparatus and illustrative materials.
3. Inspections for the purpose of determining the distribution of state deficiency funds.
4. Mr. B. J. Burris, State Superintendent of Public Instruction, directed the division to study the problem of cost accounting in the public schools and report findings.

ELEMENTARY SCORE CARD

The following minor changes were made in the score card:

	Points
I. School ground	6
II. School building	20
III. Heating and ventilating	7
IV. Equipment	23
V. School term	8
VI. The teacher and the school	24
VII. Supervision	7
VIII. Janitor service	5
Total	100

Substitution of score for certain playground equipment and shrubbery plantings for score given on small grounds was allowed in the revised score sheet. It is clear that no plan has ever been put into practice in Indiana that has resulted in improving school plants so much as the adoption and use of this scheme of classification. The inspectors have found teaching equipment added in such amounts that most of the schools now have a good share of the essentials in that line. School officials have in the vast majority of all cases co-operated most heartily in this program of furnishing equipment. The inspectors met with every county board of education in Indiana during the summer and explained fully the purposes of the score sheet.

STATE AID FUNDS

The General Assembly of 1921 enacted a law increasing the amount of the state aid fund quite materially. In connection with the inspection work, it is the plan to furnish from this division, recommendations as to the allotment of these funds. The scope of the purposes for which these funds may be used was broadened by the recently enacted law so that the use of these funds, in some degree at least, correlates well with the purposes of the score card mentioned above.

APPROVAL OF SCHOOL SUPPLIES

The State Board of Accounts very properly requires the approval of all maps, globes, encyclopedias, reference books and certain school supplies purchased for use in the schools. The division was directed to examine materials of the above character and recommend to the State Board of Education such as the inspectors deemed worthy of approval. Bulletin No. 60, issued in August, 1922, contains as complete a list as time allowed for examination. Subsequent lists will supplement this bulletin. Excellent results are reached in this line of activity, through the fact that unworthy material cannot be offered school officials.

COST ACCOUNTING

The problem of cost accounting and per capita costs in Indiana schools is one that has long needed attention. At the present time, the data of two different school corporations are not necessarily comparable, due to different methods of cost accounting and to different interpretations of existing regulations. Working in conjunction with the State Board of Accounts, the division is now attempting the solution of this difficult problem. Report on final results will be made later.

THE JUNIOR HIGH SCHOOL

The growth of the junior high school, and of the six-year high school was very marked. The total number of schools in these classes is shown in the statistical portion of this report. New subjects can be given to the elementary students and the departmental organization used, to the great advantage of all seventh and eighth-year pupils under this plan.

The following schools were approved by the State Board of Education for the junior and six-year high school work since the last report of September 1, 1921:

JUNIOR HIGH SCHOOLS

Bloomington
Colfax

Logansport
Thorntown

SIX-YEAR HIGH SCHOOLS

Cloverdale
Fairmount
Hartford City
Ladoga
Lapel
Maxwell
Montezuma

Oolitic
Pittsboro
Royal Center
West Middleton
Whiteland
Wingate

DUTIES OF COUNTY SUPERINTENDENT AS CO-OPERATING AGENT TO STATE
SCHOOL INSPECTOR

In March, 1922, the following resolution pertaining to the duties of the county superintendent as modified by the statutory enactment of the General Assembly of 1921, was passed by the State Board of Education. The additional duties are outlined as follows:

By the provision of an act of the legislature which is found on pages 512, 513, and 514 of Acts of 1921, the county superintendent of schools is made a co-operating agent of the elementary and high school inspector. The county superintendent is therefore responsible, together with the inspector, to the State Board of Education for the enforcement of the rules and regulations which govern commissioned and accredited high schools for holding these high schools to the standards which have been made for them.

As a means of giving the county superintendent a more definite understanding of his work in his relation to the commissioned and accredited high schools, the State Board of Education hereby defines and enumerates some of the duties which require his careful attention and for which the state board will expect him to be responsible in his relation to the township trustee, with the understanding that he is a co-operating agent of the elementary and high school inspector.

The duties of the county superintendent of schools as a co-operating agent of the elementary and high school inspector, in maintaining the standards of the township commissioned and accredited high schools for which he is responsible in his relation to the township trustee, as defined by the State Board of Education, are as follows:

1. To co-operate with the township trustee in the erection of new school buildings; to inspect the school buildings and to make recommendations to the township trustee for necessary improvement in meeting requirements for clean walls, properly varnished desks and proper seating of pupils.

2. To see that provision is made for an adequate supply of good drinking water.

3. To make recommendations to the township trustee on proper means of obtaining clean, adequate, well-ventilated toilets. Where outdoor toilets must be used they shall comply with the requirements of the State Board of Health.

4. To approve janitors of good character and proper conduct and to require of them the following results:

- (a) Even temperature and good ventilation.

- (b) Cleanliness throughout the building and orderly storage of equipment and supplies.

- (c) Daily attention to toilets and drinking fountains.

5. To inspect the school and make recommendations for meeting the requirements in (a) library, (b) apparatus for the study of science, (c) equipment for manual training and domestic science, (d) school pictures, (e) maps, (f) janitor's and other supplies.

6. To approve all teachers for high school and for the elementary grades in conjunction with the high school before they are employed by

the township trustee, according to the requirements of the State Board of Education.

7. To obtain good teaching in the elementary grades and in high school by visiting the classrooms, by co-operating with the principal and by conferences with the teachers.

8. To examine and approve high school curricula and programs, and to require such changes in the same as are necessary to meet the requirements of the state board.

9. To make recommendations for improvement in discipline.

10. To assist the elementary and high school inspector in the enforcement of such other requirements of the State Board of Education as apply to commissioned and accredited high schools.

After March 7, 1922, the State Board of Education will expect the county superintendent of schools to be governed by these interpretations of his duties in his relation to commissioned and accredited high schools, and by the authority which is given to him as a co-operating agent of the elementary and high school inspector to make such reports as are required, promptly, completely and accurately. Failure or neglect to make reports so required shall be considered a basis for giving lower classification to the high school or schools for which reports are delinquent or erroneous.

HIGH SCHOOL EQUIVALENCY EXAMINATION

A second action by the state board which promises to be of large usefulness is the plan for the examination known as the high school equivalency examination. The following groups of pupils are benefited thereby:

Class 1. Students who have made failing grades in classified high schools and wish "to make up" credits during vacation months by state examination.

Class 2. Students attending unclassified high schools and non-accredited departments of private schools offering high school courses.

Class 3. Teachers deficient in high school training.

Class 4. College students wishing to obtain the standing necessary to the completion of professional courses.

Class 5. Other persons who cannot attend high school, but who may be considered worthy by the State Department of Public Instruction.

Two examinations shall be given during each calendar year, as follows:

1. First examination.

a. First division—January.

b. Second division—April.

2. Second examination.

a. First division—July.

b. Second division—August.

First division shall be the term used to mean examinations in the subjects of the first semester in each of the four years of the high school course.

Second division shall be the term used to mean examination in the subjects of the second semester in each of the four years of the high school course.

HIGHER EFFICIENCY AND LOWER COST OF MAINTENANCE OF SMALL HIGH SCHOOLS

By Dr. Alex. Inglis.

Dr. Alexander Inglis made a report to the State Board of Education on June 27th, in which the basis for more economical and better teaching could be provided for smaller high schools. The three vital ideas suggested were:

1. Alternation of certain subjects in the course;
2. Condensation of history work;
3. A plan for preparing teachers for the small high schools in all training institutions along certain well-defined lines in all training institutions.

The plan is being tried in quite a few high schools during the current school year.

PERMITS FOR EXEMPTION FROM TRAINING

Following is a report of permits granted for the year 1921-1922:

Principals' Provisional Permit:	
New Permits issued	22*
Permits extended	82
	— 104
Permanent Exemptions Granted	327
Temporary Permits:	
For grade schools	247
For high schools	189*
	— 436

The plan of issuing temporary permits was discontinued. Requirements for teachers' training in special subjects were lowered in order to meet the needs of the schools for teachers. The requirements in these special subjects automatically increase for the next two years, at which time all special teachers will be back to the seventy-two (72) weeks' training basis.

SCHOOLS APPROVED FOR BIBLE STUDY CREDIT

The following schools were approved to give credit for Bible study, on application from the school authorities to the State Board of Education:

School	County
Albany	Delaware
Alexandria	Madison
Avon	Hendricks
Blooming Grove	Franklin
Bringinghurst	Carroll
Brookville	Franklin
Bruceville	Knox
Butler	Dekalb
Cadiz	Henry
Cass Twp. (Dugger)	Warrick

* Issued for one year only, average experience eight years with average success grade of 93.5.

School	County
Chester	Wabash
Chippewa	Wabash
Crawfordsville	Montgomery
Decker	Knox
Elwood	Madison
Fairfield	Franklin
Flint	Steuben
Flora	Carroll
Fortville	Hancock
Gaston	Delaware
Glen	Vigo
Gosport	Owen
Hammond	Lake
Hudson	Steuben
Laketon	Wabash
Lima	LaGrange
Lincolnvill	Wabash
Linlawn	Wabash
Metea	Cass
Middlebury	Elkhart
Monroe	Adams
Montpelier	Blackford
Mooreland	Henry
Nineveh	Johnson
North Madison	Jefferson
Orange Twp.	Fayette
Oxford	Benton
Pulaski	Pulaski
Raccoon Twp.	Parke
Ryker's Ridge	Jefferson
Scottsburg	Scott
Sharpsville	Tipton
Somerset	Wabash
Sullivan	Sullivan
Tangier	Parke
Tipton	Tipton
Urbana	Wabash
Van Buren	Grant
Jackson	Randolph
Jackson Twp.	Elkhart
Jefferson Center	Whitley
LaGrange	LaGrange
LaGro	Wabash
Veedersburg	Fountain
Wadena	Benton
Wakarusa	Elkhart
Washington	Daviess

SOME RECOMMENDATIONS

1. The inspector re-emphasizes the need of a law which will permit the use of state aid funds for the erection of buildings and the permanent improvement of buildings in southern Indiana under the supervision of the State Department of Public Instruction.

2. There is a most urgent need for more fundamental training in the matter of classroom procedure and also of means whereby supervisors will devote more attention and more skill as well to defective teaching, and whereby they will suggest helps for the discovered defects.

3. There is also need for the reduction of the number of subjects offered in Indiana high schools, and for concentrating effort upon the recognized fundamental secondary subjects.

4. There is need for more continuity of policy by individual schools to the end that a contract with a new principal or a new superintendent does not and cannot mean a change in the school's curriculum and in the school's policy.

5. There is need for administrators who are trained to give the public a program within their respective schools, wherein it is required that adequate school materials be furnished and wherein the principles of effective and economical organization are, at the same time, observed.

FINANCIAL STATEMENT

SALARIES

E. B. Wetherow, Inspector, for 10 months.....	\$2,500 00
E. E. Ramsey, Inspector, for 2 months.....	500 00
S. Leroy Scoles, Ass't Inspector.....	2,500 00
Madge Oberholtzer, Secy. 11 mo., 9 days.....	1,130 00
Anna T. Pearson, Secy. 16 days.....	66 12
Gladys Kett, Clerk and Stenographer, 8 mo. 13 days.....	856 67
Helen Bills, Clerk and Stenographer, 96 days.....	282 00
Mrs. Welton, 12 days.....	43 33
	<hr/> \$7,878 12

TRAVELING EXPENSES

For E. B. Wetherow.....	\$1,017 36
For E. E. Ramsey.....	149 68
For S. LeRoy Scoles.....	878 77
	<hr/> \$2,045 81

MISCELLANEOUS

Postage	\$500 00
Printing of high school directory.....	968 39
Other printing and office supplies.....	966 42
Telephone and telegrams	49 63
Office furniture and equipment.....	217 14
	<hr/> \$2,701 58
Total.....	<hr/> \$12,625 51

TABLE AND SUMMARIES

TOTAL EXISTING HIGH SCHOOLS

	1918-1919	1919-1920	1920-1921	1921-1922
Total number commissioned high schools.....	597	620	631	647
Total number certified high schools.....	121	77	68	†
Total number accredited high schools.....	84	54	51	120
Total number of private schools with high school equivalency.....	43	26*	30*	33 *
Total number of high schools with no standing.....	28	60	40	28
Grand total number of high schools.....	873	837	820	828
				1921-1922
Total number of elementary schools—one teacher.....				4,117
Total number of elementary schools—two teachers.....				594
Total number of elementary schools—three teachers or more.....				925
Grand Total of elementary schools.....				5,636

*Includes private and parochial schools.

†Classification of Certified high schools was dropped. All high schools are now grouped under (1) Commissioned High Schools (Class 1, Class 2 and Class 3). (2) Accredited High Schools, and (3) Un-classified High Schools.

ENUMERATION BY AGES—SCHOOL YEAR 1921-1922

AGE	6	7	8	9	10	11	12	13
School Enumeration.....	59,342	60,444	60,563	59,215	59,025	57,953	56,226	55,811
AGE	14	15	16	17	18	19	20	Total
School Enumeration.....	54,858	51,468	47,660	43,956	40,185	34,646	31,119	772,471

ENROLLMENT BY GRADES AND SEX—1921-1922

ELEMENTARY

GRADE	1	2	3	4	5	6	7	8	Total
Boys.....	43,242	34,350	34,025	31,841	30,605	29,133	26,834	25,277	255,307
Girls.....	38,974	31,212	31,201	30,203	28,644	27,394	26,077	24,153	237,858

HIGH SCHOOLS

Grade.....	9	10	11	12	Total
Boys.....	17,850	12,543	8,969	7,077	46,439
Girls.....	18,519	13,381	9,927	8,332	50,159

Grand Total.....589,763

INCREASE IN HIGH SCHOOLS

(Nine-year period)

SCHOOL YEAR	Total School Enumeration	Total Enrollment in All Schools	Total Enrollment in High Schools	Total Number High School Teachers, Principals and Superintendents	Total Number High Schools
1913-1914.....	766,833	548,497	59,822	3,307	628
1914-1915.....	768,622	552,927	64,404	3,696	719
1915-1916.....	774,342	564,252	69,651	3,926	809
1916-1917.....	774,642	567,952	72,383	4,242	847
1917-1918.....	776,868	564,162	77,695	3,819	903
1918-1919.....	778,786	557,376	74,891	3,780	873
1919-1920.....	784,430	566,089	78,849	4,732	837
1920-1921.....	797,537	578,849	86,880	5,123	820
1921-1922.....	772,471	589,763	96,598	.....	828

ENROLLMENT IN HIGH SCHOOLS

(Four Year Period)

	1918-1919	1919-1920	1920-1921	1921-1922
Boys.....	34,268	36,819	40,592	46,439
Girls.....	40,623	42,030	46,288	50,159
Total.....	74,891	78,849	86,880	96,598

GRADUATES OF HIGH SCHOOLS

(Four Year Period)

	1918-1919	1919-1920	1920-1921	1921-1922
Boys.....	4,856	5,174	5,437	6,598
Girls.....	6,738	6,703	6,827	7,948
Total.....	11,594	11,877	12,264	14,546

ELEMENTARY PROMOTIONS, 1921-1922

Boys.....	17,168
Girls.....	18,643
Total.....	35,811

HIGH SCHOOL COST OF MAINTENANCE

	1918-1919	1919-1920	1920-1921	1921-1922
Commissioned and Accredited High Schools—				
Total current cost.....	\$5,296,384 09	\$6,651,782 40	\$9,917,703 68	\$10,133,628 69
Average cost per pupil.....	70 72	83 66	114 15	106 49
Junior High School—				
Total current cost.....				803,306 24
Average cost per pupil.....				87 74

ELEMENTARY SCHOOLS—COST OF MAINTENANCE, 1921-1922

Total current cost.....	\$26,830,588 60
Average cost per pupil.....	49 72

STATE SCHOOL INSPECTOR'S REPORT OF VISITATIONS

	1918-1919	1919-1920	1920-1921	1921-1922
Schools having received first commission.....	14	26	11	22
Schools having commission reissued.....	72	88	86	124
Schools having commission renewed.....	6	9	*	2*
Schools having commission continued.....	79	63	72	116
Schools having commission revoked.....	6	5	*	.....
	177	191	169	264
Junior high schools receiving first commission.....				4
Junior-Senior H. S. receiving first commission.....				15
Junior-Senior H. S. having commission continued.....				5
Junior-Senior H. S. having commission reissued.....				6
Total schools inspected for commission standing.....	177	191	169	294
Schools having received first certificate.....	5	7	1	†
Schools having certificate reissued.....	19	11	8	†
Schools having certificate renewed.....	4		1	†
Schools having certificate continued.....	9		6	†
Schools having certificate revoked.....	1		1	†
Total schools inspected for certified standing.....	38	18	17	.....
Schools accredited for one year.....			1	3
Schools accredited for two years.....	12	7	7	13
Schools accredited for three years.....	12	9	16	20
Schools accredited for four years.....	3		2	40
Total schools inspected for accreditation.....	27	16	26	76
Schools visited, accreditation refused.....	12	5	3	3
	39	21	29	79
Total schools inspected.....	254	230	215	373

SCHOOLS GIVEN COMMISSION OR ACCREDITED STANDING ON
COUNTY SUPERINTENDENT'S REPORT

Schools commissioned for first time.....	2
Schools having commission reissued.....	58
Schools accredited for two years.....	4
Schools accredited for three years.....	2
Schools accredited for four years.....	7
Total schools commissioned and accredited on superintendent's report.....	73
Total schools commissioned and accredited in 1921-1922.....	446

*The commissions of seven high schools were revoked because of delinquent annual reports, but were renewed later.

†Classification of certified high schools was dropped. All high schools are now grouped under commissioned and accredited high schools, or unclassified.

DIVISION OF VOCATIONAL EDUCATION

TABLE 1.—Resources and Expenditures October 1, 1921, to September 30, 1922

RESOURCES	
1 Balance October 1, 1921.....	\$27,584 48
2 Federal funds.....	111,366 62
3 State taxes.....	200,890 36
Total.....	\$339,841 46

EXPENDITURES

1	State office	\$20,340 42
(a)	Salaries	\$16,193 15
(b)	Travel	2,558 73
(c)	Expense	1,588 54
2	Reimbursement, teacher-training	25,397 12
(a)	State funds	1,634 17
(b)	Federal funds	23,762 95
3	County Agents	82,814 27
4	Reimbursement, transfer tuition	45,370 67
(a)	Agriculture	31,187 01
(b)	Home economics	10,479 99
(c)	Industry	3,703 67
5	Reimbursement, vocational courses	135,914 70
(a)	Agriculture	42,878 19
(b)	Home Economics	24,827 72
(c)	Industry	68,208 79

Total	\$309,837 18
Balance October 1, 1922	*\$30,004 28

\$339,841 46

VOCATIONAL SCHOOLS, 1921-22

Table 2, below, shows the location of the ninety-eight school corporations conducting vocational schools in 1921-22, in one or more of the fields of agriculture, home economics, and industry. It also shows for each school corporation the number of vocational pupils and teachers, the total amount expended for salaries of vocational teachers, and the portion of this amount which was paid from Federal funds, from state funds, and from local funds.

Location	No. Pupils	No. Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total Cost for Salaries
Anderson	676	29	\$5,140 30	\$11,736 29	\$3,254 30	\$1,886 00	\$16,876 59
Angola	26	1	779 58	1,520 42		779 58	2,300 00
Attica	23	1	166 66	166 67	133 66	33 00	333 33
Auburn	80	3	1,445 47	4,096 20	294 10	1,151 37	5,541 67
Aurora	54	3	1,003 42	2,296 58	315 00	688 42	3,300 00
Bedford	151	4	275 00	1,315 00	219 00	56 00	1,590 00
Battle Ground	17	1					
Brazil	31	2	936 72	1,913 28	54 35	882 37	2,850 00
Bremen	51	2	1,140 54	2,459 46	278 75	861 79	3,600 00
Brookston	51	2	653 29	1,996 71	113 50	539 79	2,650 00
Chalmers	9	1	387 75	757 01		387 75	1,144 76
Charlestown	9	1	745 69	1,454 81		745 69	2,200 00
Clay City	17	1	854 15	1,665 85		854 15	2,520 00
Columbia City	56	2	1,265 38	2,759 62	313 80	951 18	4,025 00
Columbus	176	8	913 18	1,592 52	83 20	829 98	2,506 00
Corydon	27	1	813 48	1,586 52		813 48	2,400 00
Crawfordsville	112	6	823 63	1,519 37	77 50	746 13	2,343 00
Dayton	17	1					
Delphi	32	1	791 62	1,543 88		791 62	2,335 50
Depauw	25	1	91 51	178 49	91 51		270 00
East Chicago	470	23	1,797 80	4,199 10	1,582 20	215 60	5,996 90
Elkhart	310	11	828 30	2,667 53	183 32	644 98	3,495 83
Elwood	23	1	813 48	1,586 52		813 48	2,400 00
Evansville	2,603	28	3,936 25	10,007 75	1,308 00	2,628 25	13,944 00
Fairmount	37	1	204 15	1,345 85	49 15	155 00	1,550 00
Forest	20	1	745 69	1,454 31		745 69	2,200 00
Fort Wayne	290	15	6,565 45	9,460 12	5,825 85	739 60	16,025 57
Frankfort	37	1	847 37	1,652 63		847 37	2,500 00
Garrett	16	1	847 37	1,652 63		847 37	2,500 00

* This balance, \$30,004.28, plus balance in Rehabilitation Fund, \$34,961.65, equals the Auditor's balance, \$64,965.93, in the I. A. and D. S. Fund.

Location	No. Pupils	No. Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total Cost for Salaries
Gary.....	3,120	39	6,353 50	18,792 70	3,271 94	3,081 56	25,146 20
Goshen.....	81	2	1,103 10	2,668 98	726 10	377 00	3,772 08
Gosport.....	19	1	813 48	1,586 52	.....	813 48	2,400 00
Greenfield.....	22	1	779 58	1,520 42	.....	779 58	2,300 00
Greensburg.....	54	2	886 79	1,563 21	140 00	746 79	2,450 00
Hammond.....	1,844	22	3,727 30	13,990 27	.....	3,727 30	17,717 57
Hanover.....	65	2	960 25	960 25	361 72	598 53	1,920 50
Hillsboro.....	15	1	813 48	1,586 52	.....	813 48	2,400 00
Huntington.....	199	11	1,352 15	4,727 35	985 15	367 00	6,079 50
Indianapolis.....	3,955	96	20,313 67	65,228 31	9,561 90	10,751 77	85,541 98
Jackson Township Tippecanoe County.....	23	2	911 69	1,620 31	133 00	778 69	2,532 00
Kingman.....	23	1	610 11	1,189 89	.....	610 11	1,800 00
Kokomo.....	520	18	1,973 10	5,339 40	1,612 90	360 20	7,312 50
Lawrenceburg.....	39	3	92 80	242 20	46 30	46 50	335 00
Logansport.....	766	31	1,940 35	8,871 55	888 35	1,052 00	10,811 90
Loogootee.....	16	1	813 48	1,586 52	.....	813 48	2,400 00
Manilla.....	16	1	915 16	1,784 84	.....	915 16	2,700 00
Marion.....	228	8	1,800 68	5,373 82	719 70	1,080 98	7,174 50
Mauckport.....	12	1	93 21	181 79	.....	93 21	275 00
Metz.....	22	1	847 37	1,652 63	.....	847 37	2,500 00
Michigan City.....	266	5	1,409 90	1,509 10	752 20	657 70	2,919 00
Mishawaka.....	126	9	955 70	2,620 30	792 70	163 00	3,576 00
Monticello.....	29	1	1,086 24	1,313 76	272 76	813 48	2,400 00
Moores Hill.....	55	2	1,216 03	3,429 80	40 33	1,175 70	4,645 83
Mooresville.....	37	1	813 48	1,586 52	.....	813 48	2,400 00
Morristown.....	27	1	711 79	1,388 21	.....	711 79	2,100 00
Mt. Summit.....	15	1	610 11	1,189 89	.....	610 11	1,800 00
Mt. Vernon.....	26	1	779 58	1,520 42	.....	779 58	2,300 00
Muncie.....	1,458	25	3,325 85	9,113 03	2,698 25	827 60	12,638 88
New Salisbury.....	39	1	711 79	1,388 21	.....	711 79	2,100 00
Owensville.....	24	1	882 74	1,721 60	.....	882 74	2,604 34
Palmyra.....	15	1	101 68	198 32	.....	101 68	300 00
Paragon.....	24	1	677 90	1,322 10	.....	677 90	2,000 00
Pendleton.....	62	2	1,358 88	3,141 12	335 40	1,023 48	4,500 00
Petersburg.....	24	1	357 50	1,242 50	197 50	160 00	1,600 00
Plainville.....	26	1	915 16	1,784 84	.....	915 16	2,700 00
Plymouth.....	46	2	453 75	1,940 00	214 75	239 00	2,393 75
Reelsville.....	11	1	406 74	793 26	.....	406 74	1,200 00
Richland.....	25	1	677 90	1,322 10	.....	677 90	2,000 00
Richmond.....	707	22	2,754 30	7,773 81	1,869 48	884 82	10,528 11
Scottsburg.....	37	1	745 69	1,454 31	.....	745 69	2,200 00
Seymour.....	32	1	745 69	1,454 31	.....	745 69	2,200 00
Shelbyville.....	31	1	836 35	1,631 15	.....	836 35	2,467 50
South Bend.....	2,028	49	8,342 30	22,649 15	3,739 82	4,602 48	30,991 45
Spencer.....	56	2	1,060 98	2,447 76	137 50	923 48	3,508 74
Stockwell.....	18	1	677 90	1,322 10	.....	677 90	2,000 00
Summitville.....	34	1	813 48	1,586 52	.....	813 48	2,400 00
Terre Haute.....	1,424	28	9,967 20	28,680 80	5,967 42	3,999 78	38,648 00
Union Township, Johnson County.....	22	1	813 48	1,586 52	.....	813 48	2,400 00
Veedsburg.....	43	2	1,105 11	2,344 89	330 00	775 11	3,450 00
Vincennes.....	320	10	1,857 30	6,015 70	1,032 80	824 50	7,873 00
Wabash.....	62	5	710 55	1,774 95	492 55	218 00	2,485 50
Warsaw.....	100	3	1,215 85	3,685 82	192 30	1,023 55	4,901 67
Waterloo.....	23	1	745 69	1,454 31	.....	745 69	2,200 00
Wayne Township, Tippecanoe County.....	35	1	644 00	1,256 00	.....	644 00	1,900 00
West Lafayette.....	12	1	.....	.....	.....	.....	.....
West Lebanon.....	16	1	745 69	1,454 31	.....	745 69	2,200 00
White River Twp., Randolph County.....	17	1	406 74	793 26	.....	406 74	1,200 00
Whiting.....	274	7	375 00	732 75	40 41	334 59	1,107 75
Winamac.....	34	1	512 40	1,454 27	316 40	196 00	1,966 67
Worthington.....	37	2	1,271 80	2,835 70	337 35	934 45	4,107 50
Totals.....	24,212	597	\$135,914 70	\$347,965 87	\$52,384 17	\$83,530 53	\$483,880 57

AGRICULTURE SCHOOLS

Evidence that the four-year high school course in vocational agriculture is becoming established as a permanent and important part of the program of education in the public schools of Indiana is found in the fact that the number of schools maintaining vocational courses in

agriculture has uniformly increased from year to year. The first year there were seven schools that maintained vocational agriculture instruction. The next year there were fifteen, the next thirty-two, the next forty-five, the next thirty-four (reduced on account of shortage of teachers due to military service), the next fifty-two, the next seventy, and the last year there were sixty-three that received state and federal aid.

Four cities, Martinsville, Shipshewana, Thorntown, and Sweetser, employed teachers of vocational agriculture at their own expense, thus making a total of sixty-seven vocational agriculture departments for the year ended June 30, 1922.

Further indication of the permanent development of these courses is seen in the increased demand for them that comes unsolicited. Every year the demand greatly exceeds the number of available qualified teachers. Men of high grade are being attracted to the work and it is hoped that a sufficient number to meet the demand will be supplied by the training schools in the near future.

Vocational teachers must be constant students of the many problems that confront them. For the assistance of these teachers in the study of their problems, state and district conferences are held under the direction of the state supervisor. During the year seven district and two state conferences were conducted. The district conferences were held at points convenient for a group of from eight to twelve teachers. One state conference was held in connection with the State Teachers' Meeting at Indianapolis, and one at Purdue University from June 15 to 23, inclusive.

Under the general direction of the state supervisor the vocational teachers issued monthly from September to August, inclusive, a vocational digest or news-letter. The consensus of opinion among the teachers is that each received highly valuable assistance from the suggestions and the information contained in the several numbers of the digest.

During the year evening classes meeting from six to ten weeks and from two to four hours per week, with a total enrollment of 98, were conducted by the vocational teachers at Marion and Elwood. The work consisted of laboratory exercises, round table discussions, and lectures on such special subjects as poultry, orcharding, dairy husbandry, and soil fertility.

Each of the vocational agriculture teachers in all-day schools conducts part-time work with boys over fourteen years of age who are not enrolled in all-day or full-time classes. The greater part of such work is done during the crop production period. The boys carry out projects in corn growing, swine production, poultry raising, potato growing, orchard management, cattle feeding and management. For the year ended June 30, 1922, a total of 992 boys in these part-time classes completed projects under the supervision of vocational teachers. The value of their products was \$52,127, and the net profit realized was \$15,665.

TABLE 3. AGRICULTURE SCHOOLS, 1921-1922

Location	No. of Pupils	No. of Teachers	Reimbursement	Local Funds	State Funds	Federal Funds	Total Cost for Salaries
Angola.....	26	1	\$779 58	\$1,520 42		\$779 58	\$2,300 00
Auburn.....	28	1	847 37	1,652 63		847 37	2,500 00
Aurora.....	21	1	508 42	991 58		508 42	1,500 00
Battle Ground*	17	1					
Brazil.....	26	1	847 37	1,652 63		847 37	2,500 00
Bremen.....	22	1	711 79	1,388 21		711 79	2,100 00
Brookston.....	29	1	389 79	760 21		389 79	1,150 00
Chalmers.....	9	1	387 75	757 01		387 75	1,144 76
Charlestown.....	9	1	745 69	1,454 31		745 69	2,200 00
Clay City.....	17	1	854 15	1,665 85		854 15	2,520 00
Columbia City.....	23	1	779 58	1,520 42		779 58	2,300 00
Columbus.....	43	1	715 18	1,394 82		715 18	2,110 00
Corydon.....	27	1	813 48	1,586 52		813 48	2,400 00
Crawfordsville.....	36	1	732 13	1,427 87		732 13	2,160 00
Dayton*.....	17	1					
Delphi.....	32	1	791 62	1,543 88		791 62	2,335 50
Depauw.....	25	1	91 51	178 49	\$91 51		270 00
Elwood.....	23	1	813 48	1,586 52		813 48	2,400 00
Forest.....	20	1	745 69	1,454 31		745 69	2,200 00
Frankfort.....	37	1	847 37	1,652 63		847 37	2,500 00
Garrett.....	16	1	847 37	1,652 63		847 37	2,500 00
Gosport.....	19	1	813 48	1,586 52		813 48	2,400 00
Greenfield.....	22	1	779 58	1,520 42		779 58	2,300 00
Greensburg.....	39	1	711 79	1,388 21		711 79	2,100 00
Hanover.....	25	1	850 00	850 00	273 47	576 53	1,700 00
Hillsboro.....	15	1	813 48	1,586 52		813 48	2,400 00
Indianapolis.....	15	1	525 37	1,024 63		525 37	1,550 00
Jackson Township, Tippecanoe County	7	1	745 69	1,454 31		745 69	2,200 00
Kingman.....	23	1	610 11	1,189 89		610 11	1,800 00
Loogootee.....	16	1	813 48	1,586 52		813 48	2,400 00
Manilla.....	16	1	915 16	1,784 84		915 16	2,700 00
Marion.....	35	1	813 48	1,586 52		813 48	2,400 00
Mauckport.....	12	1	93 21	181 79		93 21	275 00
Metz.....	22	1	847 37	1,652 63		847 37	2,500 00
Monticello.....	29	1	1,086 24	1,313 76	\$272 76	813 48	2,400 00
Moores Hill.....	23	1	1,009 78	1,969 38	08	1,009 70	2,979 16
Mooresville.....	37	1	813 48	1,586 52		813 48	2,400 00
Morristown.....	27	1	711 79	1,388 21		711 79	2,100 00
Mt. Summit.....	15	1	610 11	1,189 89		610 11	1,800 00
Mt. Vernon.....	26	1	779 58	1,520 42		779 58	2,300 00
New Salisbury.....	39	1	711 79	1,388 21		711 79	2,100 00
Owensville.....	24	1	882 74	1,721 60		882 74	2,604 34
Palmyra.....	15	1	101 68	198 32		101 68	300 00
Paragon.....	24	1	677 90	1,322 10		677 90	2,000 00
Pendleton.....	26	1	813 48	1,586 52		813 48	2,400 00
Plainville.....	26	1	915 16	1,784 84		915 16	2,700 00
Reelsville.....	11	1	406 74	793 26		406 74	1,200 00
Richland.....	25	1	677 90	1,322 10		677 90	2,000 00
Scottsburg.....	37	1	745 69	1,454 31		745 69	2,200 00
Seymour.....	32	1	745 69	1,454 31		745 69	2,200 00
Shelbyville.....	31	1	836 35	1,631 15		836 35	2,467 50
Spencer.....	42	1	813 48	1,586 52		813 48	2,400 00
Stockwell.....	18	1	677 90	1,322 10		677 90	2,000 00
Summitville.....	34	1	813 48	1,586 52		813 48	2,400 00
Union Township, Johnson County	22	1	813 48	1,586 52		813 48	2,400 00
Veedsburg.....	18	1	610 11	1,189 89		610 11	1,800 00
Warsaw.....	40	1	757 55	1,477 45		757 55	2,235 00
Waterloo.....	23	1	745 69	1,454 31		745 69	2,200 00
Wayne Township (West Point).....	35	1	644 00	1,256 00		644 00	1,900 00
West Lafayette*.....	12	1					
West Lebanon.....	16	1	745 69	1,454 31		745 69	2,200 00
White River Township, Randolph County	17	1	406 74	793 26		406 74	1,200 00
Worthington.....	16	1	742 45	1,445 05		742 45	2,187 50
Total.....	1,511	63	\$42,878 19	\$82,010 57	\$637 82	\$42,240 37	\$124,888 76

*Used as practice-teaching centers for the teacher-training courses in agriculture at Purdue University.

HOME ECONOMICS SCHOOLS, 1921-22

During the year 1921-22 the growth in vocational home economics education occurred in enrollment of pupils, not in the number of cities maintaining vocational schools. See Table 4 below.

TABLE 4. HOME ECONOMICS SCHOOLS, 1920-1921 AND 1921-1922

1920-1921

	No. of Cities	No. of Pupils	No. of Teachers	Amount of Reimburse- ment
Full-time.....	33	1,165	47	\$28,509 04
Part-time.....	1	680	19	2,299 87
Evening.....	25	7,630	199	15,358 90
Supervision.....				2,075 15
Total.....	*47	9,475	265	\$48,242 96

1921-1922

	No. of Cities	No. of Pupils	No. of Teachers	Amount of Reimburse- ment
Full-time.....	28	1,119	44	\$12,864 60
Part-time.....	13	1,706	20	2,150 30
Evening.....	22	8,742	174	9,095 01
Supervision.....				717 81
Total.....	*45	11,567	238	\$24,827 72

*Different cities.

The enrollment in full-time classes in home economics for 1921-22 in schools that maintained vocational courses both during 1920-21 and 1921-22 shows an increase of 19% over last year.

In the evening classes the enrollment increased 14% over last year, although the number of cities maintaining evening courses in home economics dropped from 25 in 1920-21 to 22 in 1921-22.

This is the first year that schools offering home economics as a part of the general continuation school program for girls have been reimbursed from home economics funds. One city was reimbursed last year for part-time classes in home economics for adults.

As in former years, teacher-training conferences were held. These included four regional meetings of two days each and a state conference of ten days in length in June, which was attended by all home economics teachers in full-time classes.

TABLE 8. EVENING SCHOOLS IN HOME ECONOMICS, 1921-1922

Location	No. of Pupils	No. of Teachers	Reimbursement	Local Funds	State Funds	Federal Funds	Total Cost for Salaries
Anderson.....	190	5	\$291 25	.....	.....	\$182 00	\$582 50
Bedford.....	45	2	80 00	.....	.....	16 00	160 00
Columbus.....	50	3	72 00	.....	.....	14 00	144 00
Crawfordsville.....	52	3	72 00	.....	.....	14 00	144 00
East Chicago.....	84	4	38 00	.....	.....	38 00	261 00
Elkhart.....	180	5	123 00	.....	.....	123 00	411 00
Evansville.....	388	6	437 00	.....	.....	437 00	904 50
Fort Wayne.....	127	4	425 00	.....	.....	370 00	968 00
Gary.....	1,648	18	1,657 52	.....	.....	747 75	5,609 46
Hammond.....	245	3	107 25	.....	.....	107 25	452 50
Huntington.....	48	4	70 00	.....	.....	100 00	292 00
Indianapolis.....	2,355	46	3,335 95	.....	.....	500 00	15,952 50
Kokomo.....	212	5	109 70	.....	.....	57 00	573 00
Logansport.....	315	12	200 00	.....	.....	200 00	892 50
Marion.....	85	3	155 90	.....	.....	41 00	414 00
Mishawaka.....	63	4	78 35	.....	.....	31 00	312 00
Muncie.....	893	10	697 00	.....	.....	220 00	2,040 00
Richmond.....	301	7	103 00	.....	.....	103 00	726 50
South Bend.....	684	13	300 00	.....	.....	300 00	1,188 00
Terre Haute.....	500	9	1,150 00	.....	.....	266 03	2,818 50
Vincennes.....	148	5	128 65	.....	.....	94 00	855 00
Whiting.....	129	3	76 41	.....	.....	36 00	361 50
Total.....	8,742	174	\$9,707 98	\$27,027 45	\$5,097 98	\$3,997 03	\$36,122 46

TABLE 9. LOCAL SUPERVISION OF HOME ECONOMICS SCHOOLS, 1921-1922

Location		Reimbursement	Local Funds	State Funds	Federal Funds	Total Cost for Salaries
Anderson.....	1	\$227 03	.....	.....	.....	\$472 50
South Bend.....	1	328 63	.....	.....	.....	2,210 00
Logansport.....	1	66 15	.....	.....	.....	525 00
Muncie.....	1	84 00	.....	.....	.....	168 00
Terre Haute.....	1	12 00	.....	.....	.....	2,200 00
Total.....	5	\$717 81	\$4,857 69	\$717 81	.....	\$5,575 50

INDUSTRY SCHOOLS, 1921-22

FULL-TIME SCHOOLS

Full-time or all-day trade schools were in operation in nineteen cities, offering courses in the following trades:

Auto-mechanics	Machine shop practice
Cabinet-making	Pattern-making
Carpentry	Printing
Drafting	Sheet metal
Electricity	Shoe repair
Forge practice	Stone machining and drafting
Founding	Woodwork
General industrial	

In spite of a shortage of state funds the full-time program over the state was not curtailed during the year. In fact two cities started programs knowing there could be no state or federal aid. A survey in the full-time unit trade schools shows a substantial number of one year and two year students entering employment for which they are trained.

The plan of the full-time school provides for a thirty-hour week. One-half of this time is devoted to practical shop work on a useful or productive basis.

All schools are encouraged to keep closely in touch with local industries. Blue prints and material furnished from local plants are often used in the shop work of pupils.

Complete machines for school use are produced wherever possible, the school shops and drafting room being used for the five steps of production, namely, designing, drafting, pattern-making, casting and machining.

PART-TIME SCHOOLS

Several cities abandoned their part-time schools for employed boys and girls between 14 and 16 years of age. Two reasons for this action may be given. First, the industrial depression which threw many of these minors out of employment, and, second, the passage of an attendance law. This law practically requires attendance from 6 to 16 unless the minor, after becoming 14 years of age and finishing the eighth grade, can show an economic need for employment. While part-time schools were discontinued, the result was a corresponding increase in the full-time attendance.

In addition to the usual general subjects such as civics, English, arithmetic, hygiene and safety, the following trade extension subjects were taught in part-time schools:

- (a) Machine shop practice—Offered to boys who planned to be machine workers.
- (b) Printing—Offered to apprentices in the printing trade and credited hour for hour on a printing apprenticeship course recognized by the unions.
- (c) Salesmanship—Offered to store workers who are employed about one-half time in retail stores.
- (d) Typewriting—Offered to workers who felt that it was the training necessary for promotion.
- (e) Woodworking—Offered to boys in cabinet-making trades.

EVENING SCHOOLS

Twenty-four cities offered evening trade extension courses in the following subjects:

Autogenous welding	Electricity
Auto mechanics	Forging
Brick laying	Industrial chemistry
Cabinet-making	Machine design
Carpentry	Machine shop practice
Drafting	Printing
(a) Architectural	Steam engineering
(b) Machine	Tailoring
(c) Sheet metal	Telegraphy
(d) Stone	Woodwork

Evening trade extension courses are intended to supplement the daily occupation of the worker. For instance, machine operators often find that a short unit course in blue print reading is helpful, as are also classes in mathematics applied to shop problems.

It is sometimes difficult to secure satisfactory instructors for trade extension courses in evening schools. One practical solution of the prob-

TABLE 14. LOCAL SUPERVISION OF INDUSTRY SCHOOLS, 1921-1922

Location	No. of Supervisors	Reimbursement	Total Cost for Salaries
Anderson.....	1	\$750 00	\$2,500 00
East Chicago.....	1	400 00	1,990 00
Elkhart.....	1	176 00	833 33
Evansville.....	1	600 00	2,700 00
Fort Wayne.....	1	700 00	2,600 00
Gary.....	3	600 00	3,994 20
Hammond.....	1	.....	2,250 00
Huntington.....	1	.....	1,410 00
Indianapolis.....	3	850 00	9,364 33
Kokomo.....	1	400 00	2,062 50
Logansport.....	1	200 00	2,250 00
Marion.....	1	200 00	2,400 00
Muncie.....	1	400 00	1,650 00
Richmond.....	1	750 00	3,000 00
South Bend.....	1	750 00	3,060 00
Terre Haute.....	1	625 00	2,500 00
Vincennes.....	1	300 00	2,500 00
Totals.....	22	\$7,701 00	\$47,064 36

TABLE 15. VOCATIONAL TRANSFER PUPILS, 1921-22

Persons residing in a school corporation which does not maintain an approved vocational course may be transferred to another school corporation which does maintain such a course. The trustee of the township *in which* the pupil resides is reimbursed for half of the tuition of such pupil. Tables 15 and 16 give detailed information on reimbursement, etc., for transfer pupils for 1921-22. Table 20 shows the rapid increase in number of transfer pupils, etc., since the year 1914-15. An increase of about 100 per cent each year during the last five years is shown in the number of transfer pupils and in the amount of reimbursement.

Location of School Attended by Transfer Pupils	Agriculture		Home Economics		Industry		Total	
	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils
Anderson.....			\$38 25	1	\$382 50	10	\$420 75	11
Angola.....	\$844 08	19					844 08	19
Auburn.....	1,522 45	23	1,444 29	29			2,966 74	52
Aurora.....	546 44	12	307 74	7			854 18	19
Brazil.....	884 42	19					884 42	19
Bremen.....	1,287 50	24	1,020 44	18			2,307 94	42
Brookston.....	377 72	7	97 49	1			475 21	8
Charlestown.....	99 60	3					99 60	3
Clay City.....	262 56	4					262 56	4
Columbia City.....	1,160 98	23	659 02	14			1,820 00	37
Columbus.....	972 00	40	54 00	2			1,026 00	42
Corydon.....	324 72	8					324 72	8
Crawfordsville.....	1,413 61	29					1,413 61	29
Dayton.....	58 08	1					58 08	1
Delphi.....	704 47	16					704 47	16
Elwood.....	876 20	23					876 20	23
Fairmount.....			333 00	5			333 00	5
Forest.....	139 68	4					139 68	4
Fort Wayne.....			206 31	4	651 61	20	857 92	24
Frankfort.....	1,444 30	33					1,444 30	33
Garrett.....	870 08	16					870 08	16
Goshen.....			870 50	16			870 50	16
Gosport.....	227 84	4					227 84	4
Greenfield.....	650 00	13					650 00	13
Greensburg.....	935 60	18					935 60	18
Hanover.....	311 00	8					311 00	8
Huntington.....					47 56	1	47 56	1
Jackson Twp., Tippecanoe County	140 00	2					140 00	2
Kingman.....	300 16	4					300 16	4
Logansport.....			993 45	20	49 95	1	1,043 40	21
Logoonotee.....	551 88	12					551 88	12
Manilla.....	616 56	7					616 56	7
Marion.....	787 50	18			110 00	3	897 50	21
Metz.....	89 76	2					89 76	2
Mishawaka.....					260 25	5	260 25	5
Monticello.....	759 36	17					759 36	17
Moores Hill.....	310 00	7					310 00	7
Mooresville.....	964 98	23					964 98	23
Morristown.....	144 32	4					144 32	4
Mt. Vernon.....	826 68	21					826 68	21
Muncie.....					30 67	1	30 67	1
New Salisbury.....	322 08	8					322 08	8
Pendleton.....	297 36	7	350 46	10			647 82	17
Petersburg.....					199 60	5	199 60	5
Plainville.....	76 72	1					76 72	1
Plymouth.....			431 77	10			431 77	10
Richland.....	50 12	1					50 12	1
Richmond.....					287 49	8	287 49	8
Scottsburg.....	547 07	16					547 07	16
Seymour.....	562 57	20					562 57	20
Shelbyville.....	1,425 37	18					1,425 37	18
Spencer.....	984 00	21	102 00	2			1,086 00	23
Summitville.....	778 39	15					778 39	15
Terre Haute.....			533 71	16	1,684 04	65	2,217 75	81
Veederburg.....	616 96	16	837 11	19			1,454 07	35
Warsaw.....	1,128 63	31	1,014 58	28			2,143 21	59
Waterloo.....	1,135 52	17					1,135 52	17
Wayne Township, Tippecanoe County	343 75	8					343 75	8
West Lafayette.....	300 17	8					300 17	8
West Lebanon.....	491 40	10					491 40	10
Winamac.....			463 50	13			463 50	13
Worthington.....	722 37	14	722 37	14			1,444 74	28
Totals.....	\$31,187 01	675	\$10,479 99	229	\$3,703 67	119	\$45,370 67	1,023

TABLE 16. VOCATIONAL TRANSFER PUPILS, 1921-1922—SUMMARY

	No. of Schools Having Transfer Pupils	No. of Transfer Pupils Therein	Reimburse- ment
Agriculture.....	49	675	\$31,187 01
Home economics.....	19	229	10,479 99
Industry.....	10	119	3,703 67
Totals.....	78	1,023	\$45,370 67

TABLE 17. TEACHER TRAINING COURSES, 1921-22

For teacher-training courses designed to prepare persons to teach vocational subjects in agriculture, home economics and industry, reimbursement is granted for a portion of the cost of maintaining such courses.

Institution and Type of Training	Reimburse- ment	Institution Funds	State Funds	Federal Funds	Total Cost of Maintenance
Indiana State Normal School—(Total).....	\$3,908 19	\$3,908 20		\$3,908 19	\$7,816 39
Industry.....	2,794 75	2,794 75		2,794 75	5,589 50
Home Economics.....	1,113 44	1,113 45		1,113 44	2,226 89
Indiana University—(Total).....	7,121 63	6,937 47	\$184 17	6,937 46	14,059 10
Industry.....	5,547 22	5,547 23		5,547 22	11,094 45
Home Economics.....	1,574 41	1,390 24	184 17	1,390 24	2,964 65
Purdue University.....	14,267 30	12,917 32	1,350 00	12,917 30	27,184 62
Agriculture.....	9,792 46	8,442 47	1,350 00	8,442 46	18,234 93
Industry.....	998 42	998 42		998 42	1,996 84
Home Economics.....	3,476 42	3,476 43		3,476 42	6,952 85
TOTALS.....	\$25,297 12	\$23,762 99	\$1,534 17	*\$23,762 95	\$49,060 11
Industry.....	\$9,340 39	\$9,340 40		\$9,340 39	\$18,680 79
Home Economics.....	6,164 27	5,980 12	\$184 17	5,980 10	12,144 39
Agriculture.....	9,792 46	8,442 47	1,350 00	8,442 46	18,234 93

*The total Federal Fund for teacher-training is \$27,836.09. The difference between this figure (\$23,762.95) and \$27,836.09 is \$4,073.14, which was used for State supervision.

HISTORICAL TABLES

The following tables show receipts and expenditures, number of pupils, etc., for each year since the state law on vocational education was enacted in 1913.

TABLE 18. TOTAL RECEIPTS AND EXPENDITURES

Year Ending Sept. 30	Receipts			Expenditures		Surplus
	State Funds	Federal Funds	Total	Amount	Per Cent Increase	
1913.....	\$3,505 77	.....	\$3,505 77	\$3,505 77	.....	.....
1914.....	111,406 89	.....	111,406 89	22,442 76	540	\$88,964 13
1915.....	199,984 63	.....	199,984 63	62,564 49	178	226,384 27
1916.....	201,027 73	.....	201,027 73	106,716 35	70	320,695 65
1917.....	205,902 92	.....	205,902 92	153,468 31	44	373,130 26
1918.....	155,965 21	\$44,034 97	200,000 18	181,477 31	18	391,653 13
1919.....	110,402 29	55,659 16	166,061 45	209,177 03	15	348,537 55
1920.....	113,923 63	69,867 19	183,790 82	315,704 70	50	216,623 67
1921.....	115,807 01	91,802 31	207,609 32	396,648 51	25	27,584 48
1922.....	200,890 36	111,366 62	312,256 98	309,837 18	*22	30,004 28

*Decrease.

TABLE 19. REIMBURSEMENT FOR VOCATIONAL SCHOOLS

Year Ending September 30	Industry	Home Economics	Agriculture	Total	Per Cent Increase
1915.....	\$11,602 55	\$11,563 20	\$1,729 98	\$24,895 73	.....
1916.....	26,239 09	15,859 03	7,032 89	49,131 01	98
1917.....	39,065 23	32,053 31	14,022 47	85,141 01	73
1918.....	57,999 93	24,336 69	25,740 22	108,076 84	27
1919.....	61,137 89	19,998 89	27,073 62	108,210 40	1
1920.....	107,209 99	36,377 54	49,781 56	193,369 09	.....
1921.....	125,504 04	48,242 96	65,949 86	239,696 86	23
1922.....	68,208 79	24,827 72	42,878 19	135,914 70	*43

*Decrease.

TABLE 20. VOCATIONAL TRANSFER PUPILS IN AGRICULTURE, HOME ECONOMICS AND INDUSTRY SCHOOLS.

Year Ending Sept. 30	Agriculture			Home Economics			Industry			Total		
	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement
1915	2	21	\$148 00	.....	.....	.....	.....	.....	.....	2	21	\$148 00
1916	2	17	350 75	.....	.....	.....	1	11	\$313 06	3	28	663 81
1917	7	71	1,327 11	3	7	\$235 02	3	17	690 28	11	95	*2,252 41
1918	13	119	2,302 51	6	39	927 82	3	38	962 22	16	196	*4,192 55
1919	20	234	4,908 20	11	79	1,400 49	3	55	1,096 28	26	368	*7,404 97
1920	26	390	11,356 56	12	148	3,400 97	5	59	990 41	33	597	*15,747 94
1921	51	662	26,535 05	24	222	8,093 72	5	86	2,536 86	62	970	*37,165 63
1922	49	675	31,187 01	19	229	10,479 99	10	119	3,703 67	62	1,023	45,370 67

*These amounts are properly chargeable against each of the years specified. They differ slightly from the amounts actually paid each year for the reason that a few small items, payable before October 1, were actually paid after October 1. The total amounts actually paid, beginning with 1917, were: \$2,066.78; \$4,000.43; \$7,441.48; \$15,878.16; \$37,376.65.

TABLE 21. EXPENDITURES FOR TEACHER-TRAINING, STATE OFFICE
AND COUNTY AGENTS

Year Ending September 30	Teacher Training	State Office	*County Agents
1913.....		\$3,505 77	
1914.....		10,428 70	\$12,014 06
1915.....		13,660 48	23,860 28
1916.....		25,681 12	31,240 41
1917.....		33,193 66	33,066 86
1918.....	\$7,147 59	16,994 26	45,258 19
1919.....	11,510 95	16,638 67	65,375 53
1920.....	16,278 92	20,679 86	69,498 67
1921.....	22,655 54	18,533 60	78,385 86
1922.....	25,297 12	20,340 42	82,814 27

*Although the expenditures for county agents are administered by Purdue University, the amounts are given here because they are taken from the tax levy fixed in the law on vocational education.

DIVISION OF VOCATIONAL REHABILITATION

The year ended September 30, 1922, was marked by the rapidly increasing demand for the services rendered by the Division. The Division is charged with the duty of returning physically disabled civilians to profitable employment. This may be done by (1) providing vocational training in schools, factories or shops for some definite job which the disabled person can perform without serious handicap; (2) placement on a satisfactory job without vocational training; (3) provision of special mechanical appliances to enable the disabled person to enter his old job or a new one, or, (4) the combination any two or all of the above processes.

The following classes of persons are eligible for vocational rehabilitation: (1) persons who because of a congenital disability have no regular occupation; (2) persons who have been subjects of industrial or other accidents which prevent their return to their former occupation; (3) persons who by reason of disease are disabled to such an extent that they are no longer able to follow their regular occupations.

An assistant supervisor to do field work was employed for five months of the year in an attempt to meet the demands on the Division. Even with this additional help the applications for service were received more rapidly than they could be taken care of. On September 30, 1922, two hundred fifty-three applications were on file awaiting action. Two hundred thirty-seven had been handled during the year. Altogether, two hundred five persons have been placed on jobs or in training for a job. Eighty persons have been rehabilitated. The per capita cost, including overhead cost, of rehabilitating these eighty cases was \$70.93. Available data on these cases show an increased earning power of \$24.83 per week per person. This is a gain of \$22.04 per person per week over what these same persons earned prior to their contact with this Division. These persons will earn an amount equivalent to the cost of their rehabilitation in less than four weeks. The average working expectancy of these cases is more than fifteen years, or seven hundred eighty weeks, which makes an aggregate earning for each person of more than \$16,000.00, or, \$1,280,000.00 for the eighty persons rehabilitated.

It is significant to note that some of the persons rehabilitated were removed from County Infirmaries. Many others while not public charges were entirely dependent upon their relatives for support.

The Division has received notice of one thousand six hundred forty-five disabled persons in the state, these persons representing all but three of the counties of the state. A total of five hundred ninety-one applications have been received of which four hundred fifty-three were received during the year. One hundred fifty-seven were placed in training or received some other service of the Division. Disabled persons were trained for occupations comprising the most common commercial and business pursuits, the professions of law and dentistry, and many of the general industrial and mechanical lines.

The following table indicates in some measure the scope of the work done by the Division since its organization. (Figures in this table are those of September 30, 1922.)

1. Number of applications received.....	591
(a) Male	536
(b) Female	55
(c) Disabilities traceable to Industrial accidents.....	341
(d) Disabilities traceable to all other causes.....	250
2. Number of persons now being rehabilitated.....	125
(a) Male	107
(b) Female	18
3. Number of cases closed	213
(a) Rehabilitated	80
(b) Closed for other reasons.....	133
(1) Not eligible	40
(2) Not susceptible	15
(3) Service rejected	40
(4) Death	4
(5) All other reasons	34
4. Cases now awaiting action.....	253

FINANCIAL STATEMENT

RECEIPTS

Balance Federal Funds on hand October 1, 1921.....	\$20,662 66	
U. S. Treasury July 17, 1922.....	6,258 70	
Balance State Funds on hand October 1, 1921.....	9,501 57	
State Funds credited September 30, 1922.....	18,334 52	
Contribution—William Spencer, September 30, 1922.....	22 50	
		\$54,779 95

EXPENDITURES

Salaries		\$5,237 39
Supervisors	\$4,076 39	
Clerks	1,161 00	
Travel		1,332 41
Communication		48 26
Printing		147 51
Office Supplies and Equipment.....		986 94
Tuition		7,020 64
Educational Institutions	4,537 32	
Industrial and Commercial Institutions.....	1,230 99	
Tutors	391 00	
Correspondence Schools	861 33	
Instructional Supplies		1,597 84
Orthopedic appliances		3,295 24

Transportation of Trainees.....	77 47	
Physical Examinations	58 50	
Express	6 10	
Maintenance of Trainee.....	10 00	
		<hr/>
Total expenditures		\$19,818 30
Expenditures from State Funds.....	10,034 71	
Expenditures from Federal Funds.....	9,783 59	
Balance Federal Funds September 30, 1922.....	17,137 77	
Balance State Funds September 30, 1922.....	17,823 88	
		<hr/>
		*\$34,961 65
		<hr/>
		\$54,779 95

*This balance, \$34,961.65, plus balance in Vocational Education, \$30,004.28 equals the Auditor's balance, \$64,965 93 in the I. A. & D. S. Fund.

DIVISION OF SCHOOL ATTENDANCE

The activities of the School Attendance Division during the year were centered around three chief problems, namely, (1) Ascertaining the number of children affected by the Compulsory School Attendance Law, (2) How these children were distributed in the various districts, (there are 134 attendance districts in the state), (3) assisting the school attendance officers in organizing their work upon an efficient basis.

The State Attendance Officer found that most local attendance officers waited upon the teachers to notify them of truant children. Effort was made to have the attendance officer become acquainted with his district and see to it that all pupils of compulsory school age were attending school and to make something more of the office than a truancy division. In order to keep in closer touch with the local attendance officer, inquiry was made into the contracts of the officers. Great variation was found among the districts. Salaries ranged from three dollars per day, with no expenses, to five dollars per day and expenses. Some contracts were in direct violation of the State Attendance Law, (Acts 1921, Chapter 132).

Effective attendance work was not possible in many districts because of the following reasons. (1) Large cities did not have sufficient attendance personnel, (2) Poor and hilly sections of the state where one-room schools predominate were difficult to cover and interest in schools was at a low ebb, (3) Rural children were kept at home to work on the farm, (4) Lack of proper co-operation on the part of prosecutors and courts.

The school enumeration of children between the ages of seven and sixteen is distributed as follows:

Public schools	518,018
Private schools	1,113
Parochial schools	43,834

Children released from school:

Committed to institutions	613
On working certificates	2,534
On doctor's certificates	1,415

Not accounted for	5,592
Temporarily on permits	939

 574,058

Number of visits made by attendance officers.....	133,696
Number of cases in court.....	726
Number successful	679
Number of children who are irregular in their attendance.....	55,679
(1)* Days lost in absence.....	5,848,784
(2)* Minutes lost in tardiness.....	2,277,670
(3)* Total days lost in absence and tardiness.....	5,855,110

(1)* This is equivalent to one child losing 36,592 years of school. Estimating the cost of education an elementary child to be \$50.00 per year, then there was lost in this one place alone the sum of \$1,829,600.00.

(2)* This does not include the cities of Gary, Indianapolis, Jeffersonville, South Bend, Whiting, Michigan City and the six counties of Clinton, Daviess, Franklin, Knox, Pike and Pulaski.

(3)* A school year is taken as 160 days.

The tabulations from the monthly reports of 1921-1922 show that 55,679, or about 10 per cent of the pupils were irregular attendants at school. This number make up the group who, through absence, fall behind in their studies, finally fail, and become repeaters. It is this class of boys and girls who are most commonly eliminated from the schools. They do not fall behind because of potential stupidity, but are kept out for reasons which seem plausible, such as home work, bad roads, or long distance from the school house.

Enumeration of reports indicate that we have 151 attendance officers, 60 of whom are high school graduates, 50 with training beyond the eighth grade, 25 are teachers, 59 are women, 92 are men, 114 were retained from the year 1920-21. The average age of the city officer and of the county officer is 44 years. Thus a mature class of men and women are serving in the attendance work.

	SCHOOL ENROLLMENT (1921-1922)						Total Enumera- tion (6-20)	
	Enrollment Elem.		Total Elem.	Enrollment H. S.		Total H. S.		Grand Total
	Boys	Girls		Boys	Girls			
Adams.....	1,858	1,753	3,611	341	372	713	4,324	6,387
Allen.....	7,525	7,175	14,700	1,034	1,121	2,155	16,855	29,451
Bartholomew.....	2,251	1,955	4,206	440	453	893	5,099	6,489
Benton.....	1,125	1,031	2,156	267	313	580	2,736	3,107
Blackford.....	1,308	1,329	2,637	274	304	578	3,215	4,186
Boone.....	2,122	2,016	4,148	471	491	962	5,110	5,920
Brown.....	844	830	1,674	82	52	134	1,808	2,112
Carroll.....	1,337	1,295	2,632	350	390	740	3,372	4,158
Cass.....	2,999	2,968	5,967	751	826	1,577	7,544	9,286
Clark.....	2,444	2,405	4,849	359	410	769	5,618	8,314
Clay.....	3,004	2,793	5,797	475	561	1,036	6,833	9,426
Clinton.....	2,519	2,357	4,876	562	617	1,179	6,055	7,498
Crawford.....	1,368	1,277	2,645	106	112	218	2,863	3,161
Davies.....	2,824	2,462	5,286	425	440	865	6,151	8,244
Dearborn.....	1,738	1,687	3,425	214	233	447	3,872	5,481
Decatur.....	1,621	1,667	3,288	326	326	652	3,940	4,968
Dekalb.....	2,234	2,113	4,347	449	492	941	5,288	6,501
Delaware.....	4,923	4,600	9,523	1,050	1,356	2,406	11,929	16,471
Dubois.....	1,918	1,851	3,769	181	203	384	4,153	6,219
Elkhart.....	4,545	4,433	8,978	1,011	1,058	2,069	11,047	14,115
Fayette.....	1,435	1,330	2,765	351	369	720	3,485	4,237
Floyd.....	2,383	2,350	4,733	364	396	760	5,493	9,038
Fountain.....	1,809	1,799	3,608	394	472	866	4,474	5,007
Franklin.....	1,452	1,454	2,906	108	124	232	3,138	4,228
Fulton.....	1,617	1,511	3,128	358	379	737	3,865	4,559
Gibson.....	3,068	2,805	5,873	611	609	1,220	7,093	8,651
Grant.....	4,631	4,531	9,166	783	931	1,714	10,880	7,399
Greene.....	4,013	3,800	7,813	660	752	1,412	9,225	11,079
Hamilton.....	2,134	2,095	4,229	516	493	1,009	5,238	6,173
Hancock.....	1,470	1,481	2,951	362	396	758	3,709	4,251
Harrison.....	1,916	1,791	3,707	270	234	504	4,211	5,458
Hendricks.....	1,739	1,685	3,424	467	507	974	4,398	5,087
Henry.....	2,814	2,785	5,599	728	774	1,502	7,101	9,431
Howard.....	3,924	3,622	7,546	652	695	1,347	8,893	10,833
Huntington.....	2,268	2,237	4,505	914	940	1,854	6,359	8,323
Jackson.....	2,070	2,023	4,093	398	416	814	4,907	6,963
Jasper.....	1,423	1,405	2,828	287	303	590	3,418	3,945
Jay.....	2,307	2,212	4,519	389	443	832	5,351	6,618
Jefferson.....	1,841	1,699	3,540	239	288	527	4,067	5,210
Jennings.....	1,307	1,281	2,588	226	268	494	3,082	3,761
Johnson.....	1,859	1,758	3,617	448	474	922	4,539	5,096
Knox.....	4,498	4,490	8,988	725	807	1,532	10,520	14,132
Kosciusko.....	2,608	2,654	5,262	615	571	1,186	6,448	7,077
Lagrange.....	1,356	1,386	2,742	275	310	585	3,327	3,665
Lake.....	12,429	12,159	24,588	1,979	1,780	3,759	28,347	31,212
Laporte.....	3,970	3,800	7,770	667	742	1,409	9,179	15,115
Lawrence.....	3,356	3,340	6,696	481	545	1,026	7,722	9,207
Madison.....	6,473	6,114	12,587	1,200	1,222	2,422	15,009	20,681
Marion.....	25,862	17,560	43,422	4,261	4,443	8,704	52,126	84,000
Marshall.....	2,395	2,430	4,825	447	511	958	5,783	6,665
Martin.....	1,183	1,033	2,216	112	122	234	2,450	3,738
Miami.....	2,385	2,346	4,731	547	585	1,132	5,863	7,202
Monroe.....	2,758	2,603	5,361	436	455	891	6,252	8,147
Montgomery.....	2,585	2,432	5,017	670	764	1,434	6,451	7,248
Morgan.....	1,937	1,885	3,822	394	441	835	4,657	5,203
Newton.....	1,124	1,069	2,193	181	214	395	2,588	2,950
Noble.....	1,968	1,823	3,791	407	444	851	4,642	5,711
Ohio.....	366	313	679	40	55	95	774	927
Orange.....	1,727	1,734	3,461	198	273	471	3,932	4,862
Owen.....	1,221	1,210	2,431	200	199	399	2,830	2,848

	SCHOOL ENROLLMENT (1921-1922)						Total Enumera- tion (6-20)	
	Enrollment Elem.		Total Elem.	Enrollment H. S.		Total H. S.		Grand Total
	Boys	Girls		Boys	Girls			
Parke.....	1,884	1,723	3,607	301	338	639	4,246	5,247
Perry.....	1,541	1,528	3,069	171	211	382	3,451	4,966
Pike.....	2,012	2,000	4,012	278	251	529	4,341	5,900
Porter.....	1,956	1,890	3,846	359	421	780	4,626	5,870
Posey.....	1,542	1,521	3,063	315	358	673	3,736	5,386
Pulaski.....	1,294	1,189	2,483	244	280	524	3,007	3,552
Putnam.....	1,749	1,771	3,520	469	508	977	4,497	5,162
Randolph.....	2,453	2,407	4,860	654	711	1,365	6,225	7,150
Ripley.....	1,647	1,542	3,189	277	277	554	3,743	5,535
Rush.....	1,710	1,537	3,247	330	426	756	4,003	4,672
Scott.....	774	724	1,498	104	133	237	1,735	2,225
Shelby.....	2,142	2,097	4,239	443	390	833	5,072	6,404
Spencer.....	1,828	1,717	3,545	246	259	505	4,050	5,409
Starke.....	1,259	1,180	2,439	186	208	394	2,833	33,43
Steuben.....	1,159	1,163	2,322	332	358	690	3,012	3,389
St. Joseph.....	8,338	7,934	16,272	1,361	1,394	2,755	19,027	30,518
Sullivan.....	3,586	3,363	6,949	566	674	1,240	8,189	9,184
Switzerland.....	920	843	1,763	108	113	221	1,984	1,984
Tippecanoe.....	3,122	2,941	6,063	753	736	1,489	7,552	10,777
Tipton.....	1,523	1,421	2,944	309	330	639	3,583	4,363
Union.....	564	605	1,169	111	111	222	1,391	1,457
Vanderburgh.....	6,356	6,143	12,499	1,182	1,326	2,508	16,394	25,474
Vermillion.....	3,021	2,906	5,927	444	486	930	6,857	9,018
Vigo.....	9,798	9,340	19,138	1,467	1,556	3,023	22,161	27,769
Wabash.....	2,492	2,237	4,729	539	603	1,142	5,871	6,956
Warren.....	882	828	1,710	114	123	237	1,947	2,043
Warrick.....	2,100	2,131	4,231	320	331	651	4,882	5,795
Washington.....	1,642	1,621	3,263	289	315	604	3,867	4,743
Wayne.....	3,597	3,487	7,084	876	923	1,799	8,883	10,844
Wells.....	1,879	1,821	3,700	335	371	706	4,406	5,722
White.....	1,710	1,678	3,388	367	425	792	4,180	4,604
Whitley.....	1,416	1,342	2,758	348	382	730	3,488	.....
Totals.....	256,088	238,672	494,760	46,726	50,204	96,930	589,763	772,471

NUMBER OF HIGH, ELEMENTARY AND CONSOLIDATED SCHOOLS

COUNTIES	No. of Com- mission- ed H. S.	No. of Accred- ited H. S.	Unclasi- fied	Total	No. of Elementary Schools				No. of Consoli- dated Schools
					One Teacher	Two Teachers	Three or more Teachers	Total	
Adams.....	8	1		9	49	7	8	64	4
Allen.....	7			7	96	12	27	135	10
Bartholomew.....	3		2	5	36	5	14	55	20
Benton.....	11			11	9	1	2	12	
Blackford.....	3			3	24	3	2	29	4
Boone.....	7			7	54	14	4	72	8
Brown.....	1	2		3	63	1	2	66	1
Carroll.....	7	2		9	16	6	4	26	19
Cass.....	10			10	46	3	3	52	9
Clark.....	5			5	64	11	16	91	5
Clay.....	6			6	69	15	12	96	
Clinton.....	9	1		10	32	9	9	50	9
Crawford.....	4			4	67	1		68	
Daviess.....	6	1		8	71	8	4	83	8
Dearborn.....	3	1	1	5	60	7	4	71	3
Decatur.....	8	1	1	11	26	6	2	34	14
Dekalb.....	7	1	2	8	65	8	9	82	8
Delaware.....	10	1		11	14	5	17	36	18
Dubois.....	5	1	1	7	80	10	8	98	
Elkhart.....	9			9	70	4	16	90	3
Fayette.....	5	3		8	12	1	4	17	7
Floyd.....	3			3	27	7		34	4
Fountain.....	8			9	22	3	12	37	13
Franklin.....	1	1	4	6	43	11	7	61	13
Fulton.....	6	2		8	35		10	45	12
Gibson.....	10	2		12	67	8	7	82	9
Grant.....	9			9	59	10	20	89	9
Greene.....	9	3		12	88	16	15	119	7
Hamilton.....	10			10	23	16	8	47	23
Hancock.....	10			10	12	2	6	20	13
Harrison.....	1	8		9	117	11	1	129	5
Hendricks.....	11			11	16	4	16	36	17
Henry.....	12			12	13	8	14	35	16
Howard.....	7			7	16	2	6	24	13
Huntington.....	12			12	51	4	5	60	11
Jackson.....	7	3		10	61	11	4	76	12
Jasper.....	6		3	9	40	5	2	47	10
Jay.....	7			7	73	1	6	80	4
Jefferson.....	3	4		7	64	4	8	76	8
Jennings.....	3	8		11	48	2		50	10
Johnson.....	10			10	22	1	2	25	9
Knox.....	13	2		15	36	5	23	64	16
Kosciusko.....	14			14	33	10	21	64	25
Lagrange.....	6	5	3	14	37	3	5	45	10
Lake.....	8	6	2	16	16	24	44	84	25
Laporte.....	9	5	1	15	45	8	12	65	12
Lawrence.....	7	3		10	59	10	3	72	8
Madison.....	8			8	64	13	28	105	16
Marion.....	17		1	18	6	15	98	119	20
Marshall.....	11	1		12	42	4	16	62	14
Martin.....	2	1		3	83	1	2	86	5
Miami.....	9	2		11	26	7	16	49	18
Monroe.....	4			4	82	4	5	91	3
Montgomery.....	12			12	5	12	26	43	26
Morgan.....	6			6	47	2	4	53	8
Newton.....	5			5	25	7	8	40	13
Noble.....	9			9	46	4	14	64	12
Ohio.....	1			1	18		1	19	
Orange.....	4			4	87	1	4	92	3
Owen.....	5	1		6	61	1	6	68	5

COUNTIES	No. of Com- mission- ed H. S.	No of Accred- ited H. S.	Unclassi- fied	Total	No. of Elementary Schools				No. of Consoli- dated Schools
					One Teacher	Two Teachers	Three or more Teachers	Total	
Parke.....	9	.....	.....	9	27	14	11	52	24
Perry.....	3	7	.....	10	88	7	2	97	.....
Pike.....	3	4	2	9	67	9	4	80	6
Porter.....	8	3	.....	11	43	6	8	57	14
Posey.....	7	1	.....	8	31	17	.....	48	16
Pulaski.....	6	1	.....	7	51	7	6	64	16
Putnam.....	8	3	.....	11	33	10	6	49	15
Randolph.....	16	.....	.....	16	4	2	2	8	20
Ripley.....	5	2	.....	7	77	4	1	82	2
Rush.....	9	4	.....	13	9	5	13	27	13
Scott.....	2	.....	.....	2	31	3	1	35	3
Shelby.....	6	3	.....	9	50	9	7	66	18
Spencer.....	6	.....	.....	6	63	9	11	83	11
Starke.....	7	.....	1	8	32	5	6	43	14
Steuben.....	9	1	.....	10	37	1	.....	38	8
St. Joseph.....	6	.....	.....	6	79	8	33	120	7
Sullivan.....	8	2	1	11	59	7	5	71	5
Switzerland.....	1	1	1	3	50	1	4	55	1
Tippecanoe.....	13	.....	.....	13	11	6	2	19	14
Tipton.....	5	.....	.....	5	28	1	4	33	7
Union.....	3	2	.....	5	17	2	1	20	5
Vanderburgh.....	3	.....	.....	3	36	7	25	68	15
Vermillion.....	7	.....	.....	7	15	11	19	45	11
Vigo.....	12	1	.....	13	42	19	43	104	12
Wabash.....	12	.....	.....	12	5	2	13	20	15
Warren.....	4	.....	.....	4	39	.....	.....	39	3
Warrick.....	5	4	.....	9	95	3	4	102	.....
Washington.....	3	2	.....	7	89	3	7	99	17
Wayne.....	12	.....	.....	12	19	14	10	43	20
Wells.....	5	3	.....	8	55	3	16	74	10
White.....	8	1	.....	9	48	4	8	60	10
Whitley.....	7	2	.....	9	49	1	1	51	4
Totals.....	647	120	28	795	4,117	594	925	5,636	946

NUMBER OF GRADUATES—1922

COUNTIES	High School Graduation			Promoted from 8th Grade		
	Boys	Girls	Total	Boys	Girls	Total
Adams.....	59	61	120	134	151	285
Allen.....	113	141	254	549	527	1,076
Bartholomew.....	55	69	124	153	164	317
Benton.....	40	57	97	76	101	177
Blackford.....	44	60	104	113	131	244
Boone.....	68	75	143	131	155	286
Brown.....	14	7	21	34	47	81
Carroll.....	53	59	112	140	153	293
Cass.....	117	118	235	215	260	475
Clark.....	59	63	122	177	211	388
Clay.....	60	95	155	214	258	472
Clinton.....	87	94	181	161	179	340
Crawford.....	22	25	47	91	96	187
Daviess.....	61	56	117	164	163	327
Dearborn.....	26	33	59	126	122	248
Decatur.....	33	32	65	79	98	177
Dekalb.....	88	92	180	180	198	378
Delaware.....	118	177	295	294	340	634
Dubois.....	26	37	63	86	104	190
Elkhart.....	114	143	257	300	382	682
Fayette.....	50	60	110	89	82	171
Floyd.....	63	72	135	159	170	327
Fountain.....	103	144	247	130	137	267
Franklin.....	10	14	24	83	128	211
Fulton.....	55	68	123	131	148	279
Gibson.....	99	85	184	168	195	363
Grant.....	97	129	226	365	365	730
Greene.....	107	97	204	230	284	514
Hamilton.....	81	81	162	218	205	423
Hancock.....	53	71	124	136	163	299
Harrison.....	53	40	93	126	119	245
Hendricks.....	90	89	179	149	195	344
Henry.....	99	150	249	230	250	480
Howard.....	64	74	138	258	309	567
Huntington.....	91	105	196	179	169	348
Jackson.....	56	168	224	177	168	345
Jasper.....	41	48	89	138	116	254
Jay.....	48	95	143	205	205	410
Jefferson.....	36	43	79	85	96	181
Jennings.....	39	48	87	103	111	214
Johnson.....	78	83	161	127	136	263
Knox.....	98	146	244	228	259	487
Kosciusko.....	106	100	206	183	209	392
Lagrange.....	42	46	88	72	99	171
Lake.....	209	203	412	495	527	1,022
Laporte.....	74	99	173	252	246	498
Lawrence.....	80	90	170	243	273	516
Madison.....	145	188	333	377	378	755
Marion.....	559	643	1,202	1,927	2,035	3,962
Marshall.....	79	93	172	192	216	408
Martin.....	20	28	48	52	55	107
Miami.....	73	108	181	181	220	401
Monroe.....	41	56	97	167	198	365
Montgomery.....	108	152	260	198	199	397
Morgan.....	61	83	144	156	186	342
Newton.....	35	39	74	84	84	168
Noble.....	61	87	148	156	149	305
Ohio.....	3	8	11	19	15	34
Orange.....	34	55	89	136	127	263
Owen.....	42	45	87	100	119	219

NUMBER OF GRADUATES—1922—Continued

COUNTIES	High School Graduation			Promoted from 8th Grade		
	Boys	Girls	Total	Boys	Girls	Total
Parke.....	43	63	106	128	128	256
Perry.....	28	42	70	87	110	197
Pike.....	42	39	81	110	144	254
Porter.....	43	63	106	148	173	321
Posey.....	58	67	125	114	117	231
Pulaski.....	38	49	87	73	87	160
Putnam.....	77	86	163	164	175	339
Randolph.....	102	124	226	169	204	373
Ripley.....	47	64	111	134	137	271
Rush.....	57	69	126	94	120	214
Scott.....	16	27	43	52	70	122
Shelby.....	71	59	130	185	199	384
Spencer.....	46	38	84	122	149	271
Starke.....	20	24	44	79	82	161
Steuben.....	50	78	128	105	113	218
St. Joseph.....	135	192	327	407	426	833
Sullivan.....	67	94	161	234	275	509
Switzerland.....	12	23	35	50	64	114
Tippecanoe.....	132	131	263	204	257	461
Tipton.....	51	65	116	118	121	239
Union.....	24	11	35	27	38	65
Vanderburgh.....	120	162	282	322	318	640
Vermillion.....	107	101	208	218	224	442
Vigo.....	172	234	406	474	491	965
Wabash.....	78	95	173	195	207	402
Warren.....	12	14	26	61	59	120
Warrick.....	83	81	164	91	99	190
Washington.....	47	57	104	121	104	225
Wayne.....	118	157	275	329	344	673
Wells.....	47	52	99	158	175	333
White.....	57	48	105	157	141	298
Whitley.....	58	12	70	117	107	224
Totals.....	6,598	7,948	14,546	17,168	18,643	35,811

COST OF SCHOOLS (1921-1922)

COUNTIES	Cost of Elementary Schools		Cost of High Schools		Cost of Junior High Schools	
	Total	Per Capita	Total	Per Capita	Total	Per Capita
Adams.....	\$167,272 15	\$50 01	\$71,960 19	\$120 81		
Allen.....	1,185,554 35	80 65	287,066 29	133 21		
Bartholomew.....	184,577 24	43 88	72,727 30	85 56		
Benton.....	118,090 20	89 34	91,662 25	244 03		
Blackford.....	109,435 50	41 50	56,274 08	97 36		
Boone.....	227,134 12	56 15	68,673 12	98 58	\$19,198 63	\$103 26
Brown.....	76,626 75	45 77	14,172 40	105 76		
Carroll.....	127,569 83	48 47	75,596 59	102 16		
Cass.....	297,335 61	49 83	78,964 01	107 13	64,175 68	92 08
Clark.....	107,195 74	35 14	51,331 30	65 45		
Clay.....	223,220 76	44 89	106,792 38	142 55	29,939 29	36 33
Clinton.....	228,638 74	60 58	128,546 76	124 86		
Crawford.....	86,715 51	23 62	27,974 96	137 02		
Daviess.....	218,678 23	41 37	92,477 97	106 91		
Dearborn.....	186,124 65	54 63	40,154 78	89 81		
Decatur.....	169,844 00	42 94	64,406 93	100 10		
Dekalb.....	220,983 65	50 83	100,937 16	107 26		
Delaware.....	475,754 76	49 96	223,273 52	92 80		
Dubois.....	1,314,197 93	35 49	36,958 43	96 24		
Elkhart.....	520,900 88	52 14	207,935 78	105 65		
Fayette.....	103,605 22	38 13	62,266 38	92 65	9,222 09	131 74
Floyd.....	202,185 43	38 90	61,328 13	76 99		
Fountain.....	169,753 19	57 23	89,845 27	109 79		
Franklin.....	137,815 39	47 32	19,517 31	84 13		
Fulton.....	161,380 00	51 50	75,600 00	103 00		
Gibson.....	239,072 41	43 55	87,683 24	96 98		
Grant.....	326,546 94	43 31	156,642 13	100 21		
Greene.....	275,151 31	35 22	110,539 14	99 33		
Hamilton.....	169,051 74	49 43	99,157 81	18 11	8,106 05	64 29
Hancock.....	137,385 09	50 90	46,657 56	116 64	71,786 06	117 68
Harrison.....	157,806 66	45 90	50,507 34	129 00		
Hendricks.....	155,624 36	51 15	100,830 57	111 28	14,022 00	70 97
Henry.....	145,598 46	46 49	122,533 20	79 99	2,340 00	101 80
Howard.....	365,773 27	50 43	129,991 48	97 10	20,320 13	69 12
Huntington.....	228,958 73	55 37	175,508 21	106 00		
Jackson.....	209,357 45	51 15	81,017 67	99 53	10,781 67	41 36
Jasper.....	141,104 85	60 51	53,611 69	103 47		
Jay.....	141,600 61	31 34	77,936 34	93 67		
Jefferson.....	158,165 42	44 40	40,325 05	76 39	13,135 49	61 66
Jennings.....	106,973 60	41 30	54,096 00	108 20		
Johnson.....	161,677 71	51 10	84,818 00	141 30	27,560 00	104 00
Knox.....	449,488 66	58 14	155,634 77	109 68		
Kosciusko.....	269,571 26	51 23	35,346 32	114 12	11,020 00	95 00
Lagrange.....	133,238 18	49 16	61,292 91	115 46	12,027 19	113 95
Lake.....	1,514,194 64	81 98	443,386 66	113 00	122,077 21	169 41
Laporte.....	460,278 04	63 69	107,018 09	128 30	77,161 99	129 22
Lawrence.....	183,854 89	30 00	94,034 61	90 60	27,653 52	59 57
Madison.....	622,939 37	46 35	222,733 61	92 87	65,737 48	62 96
Marion.....	3,064,989 35	55 81	1,373,629 75	116 45		
Marshall.....	213,301 02	44 42	98,248 72	102 55		
Martin.....	104,946 97	40 36	32,556 42	135 13		
Miami.....	277,507 03	54 73	116,324 74	102 76		
Monroe.....	207,340 39	38 67	64,517 00	87 48		
Montgomery.....	268,029 31	52 61	173,790 37	116 93	21,498 59	96 03
Morgan.....	161,725 38	43 11	76,260 96	102 49	4,708 00	107 00
Newton.....	126,257 18	56 04	43,900 88	111 11		
Noble.....	248,949 90	66 60	104,230 00	122 48		
Ohio.....	28,635 82	44 30	8,033 45	84 56		
Orange.....	130,059 00	37 29	35,750 00	75 48		
Owen.....	124,418 79	51 19	44,670 37	111 95		

COST OF SCHOOLS (1921-1922)—Continued

COUNTIES	Cost of Elementary Schools		Cost of High Schools		Cost of Junior High Schools	
	Total	Per Capita	Total	Per Capita	Total	Per Capita
Parke.....	\$167,163 06	\$46 72	\$77,258 68	\$126 90		
Perry.....	123,117 24	35 68	47,104 42	123 31		
Pike.....	145,889 13	34 50	44,562 85	102 31		
Porter.....	204,184 14	53 09	98,872 80	126 76		
Posey.....	198,595 18	60 29	76,749 80	135,28		
Pulaski.....	115,754 62	38 49	58,149 73	110 92	\$10,157 98	\$50 04
Putnam.....	15,117 57	43 80	91,607 37	99 89	14,198 19	91 10
Randolph.....	207,210 66	44 40	139,303 93	107 32		
Ripley.....	140,815 43	48 11	39,259 20	68 52		
Rush.....	194,534 64	59 54	102,040 19	134 96		
Scott.....	116,139 63	61 61	18,979 48	93 81		
Shelby.....	215,276 17	40 85	82,045 63	98 49		
Spencer.....	142,992 78	40 33	46,136 15	91 35		
Starke.....	92,449 67	44 39	41,214 16	104 61		
Steuben.....	112,756 67	65 09	76,705 87	132 25		
St. Joseph.....	1,334,963 80	82 04	348,888 55	126 63		
Sullivan.....	192,372 81	27 68	99,174 44	79 97		
Switzerland.....	80,397 38	45 60	16,947 61	76 68		
Tippecanoe.....	396,398 94	65 38	158,459 38	106 42		
Tipton.....	132,512 45	45 01	56,101 12	87 79		
Union.....	54,077 02	42 52	23,954 38	86 76		
Vanderburgh.....	790,604 64	68 88	230,073 74	106 73		
Vermillion.....	276,568 41	46 66	94,692 53	101 82		
Vigo.....	935,955 00	43 53	337,165 00	104 32	142,799 00	62 12
Wabash.....	281,387 72	59 50	128,664 04	112 66		
Warren.....	85,573 92	59 22	19,020 19	102,26		
Warrick.....	192,457 08	42 94	90,041 16	138 31		
Washington.....	148,045 23	45 37	59,708 70	98 85		
Wayne.....	531,688 62	75 05	218,934 38	127 28		
Wells.....	187,497 68	50 68	74,089 26	105 21	3,680 00	75 11
White.....	140,055 05	51 30	94,178 02	93 35		
Whitley.....	147,932 64	57 85	73,887 58	71 20		
Totals.....	\$26,830,588 60		\$10,133,628 69		\$803,306 24	

NUMBER SUPERINTENDENTS, PRINCIPALS, SUPERVISORS AND TEACHERS EMPLOYED IN ALL SCHOOLS

COUNTIES	Male		Female		Total	Elemen- tary	High School	Total	No. of Supts. Emp.	No. of Super- visors and Spec. Tch.	No. of Principals		No. of Teachers		
	White	Colored	White	Colored							H. S.	Elem.	H. S.	Elem.	
Adams.....	56		108		164	122	42	164	3	9	9	7	27	109	164
Allen.....	108		465		573	470	103	573	1	27	7	24	92	422	573
Bartholomew.....	65		105		170	130	40	170	1	7	5	12	35	110	170
Benton.....	27		106		133	78	55	133		11	11		33	78	133
Blackford.....	34		71		105	79	26	105	2	9	3	9	19	63	105
Boone.....	74		126		200	148	52	200	3	9	7	4	37	140	200
Brown.....	53		29		82	71	11	82	1	2	2		6	71	82
Carroll.....	46		89		135	86	49	135	2	7	9	10	31	76	135
Cass.....	67		209		276	194	82	276	6	14	6	13	43	194	276
Clark.....	62	5	117	8	192	158	34	192	1	6	5	13	22	145	192
Clay.....	78		152		230	159	71	230	1	6	7	26	57	133	230
Clinton.....	77		140		217	139	78	217	2	11	8	8	61	127	217
Crawford.....	58		54		112	88	24	112	4	12	4		5	87	112
Davies.....	77	1	131		209	159	50	209	2	6	8	4	33	153	209
Dearborn.....	36		113		149	125	24	149	2	5	3	3	14	122	149
Decatur.....	41		99		140	98	42	140	2	7	8	10	29	84	140
Dekalb.....	74		133		207	149	58	207	6	14	8	7	33	139	207
Delaware.....	122		312		434	280	154	434	2	31	12	21	125	243	434
Dubois.....	54		112		166	137	29	166	3	6	5	1	14	137	166
Elkhart.....	105		286		391	282	109	391	5	19	10	21	79	257	391
Fayette.....	32		81		113	48	65	113	1	4	8	5	34	61	113
Floyd.....	34	2	114	6	156	123	33	156	1	5	3	10	26	111	156
Fountain.....	53		118		171	114	57	171	6	17	9	10	31	98	171
Franklin.....	32		73		105	91	14	105	1	3	2	10	14	75	105
Fulton.....	49		101		150	110	40	150	1	5	8	9	40	87	150
Gibson.....	79	4	158	5	246	178	68	246	2	16	11	7	46	164	246
Grant.....	92	1	251	2	346	254	92	346	5	20	9	12	66	234	346
Greene.....	103		188		291	219	72	291	5	13	12	5	44	212	291
Hamilton.....	65		129		194	138	56	194	1	10	10	13	37	123	194
Hancock.....	47		106		153	86	67	153	1	18	10	10	43	71	153

Harrison.....	94	1	95	2	192	157	35	192	1	2	9	23	157	192
Hendricks.....	63	.....	114	.....	177	100	77	177	1	6	11	59	94	177
Henry.....	58	.....	180	.....	238	159	79	238	3	19	12	55	136	238
Howard.....	67	1	200	3	189	271	82	271	1	13	7	18	61	271
Huntington.....	76	.....	160	.....	236	.....	86	236	3	9	12	79	128	236
Jackson.....	61	.....	134	1	196	.....	51	196	3	13	10	27	130	196
Jasper.....	30	.....	99	.....	129	90	129	129	3	5	9	22	90	129
Jay.....	62	.....	114	.....	176	131	45	176	3	7	7	32	122	176
Jefferson.....	38	3	113	2	156	128	28	156	1	5	7	30	119	156
Jennings.....	51	1	69	1	122	91	31	122	1	1	11	20	88	122
Johnson.....	45	1	125	1	172	105	67	172	3	17	10	45	90	172
Knox.....	86	2	272	4	364	267	97	364	2	32	14	70	234	364
Kosciusko.....	77	.....	151	.....	228	154	74	228	14	9	2	54	146	228
Lagrange.....	49	.....	180	.....	129	82	47	129	3	5	10	27	129	82
Lake.....	155	6	748	22	931	727	204	931	8	65	10	137	675	931
Laporte.....	60	.....	278	.....	338	248	90	338	.....	4	15	74	245	338
Lawrence.....	81	.....	174	1	256	200	56	256	2	8	10	43	185	256
Madison.....	123	.....	321	.....	444	300	144	444	4	17	9	118	259	444
Marion.....	243	20	1,401	130	1,794	1,238	556	1,794	10	125	24	397	1,139	1,794
Marshall.....	61	.....	134	.....	195	132	63	195	3	15	12	33	131	195
Martin.....	55	.....	55	.....	110	96	14	110	3	1	3	7	96	110
Miami.....	65	.....	147	.....	212	156	56	212	3	8	11	41	138	212
Monroe.....	74	1	148	2	225	183	42	225	1	18	5	32	165	225
Montgomery.....	76	1	209	1	287	174	113	287	1	14	12	90	147	287
Morgan.....	51	.....	124	.....	175	132	43	175	2	8	6	27	126	175
Newton.....	24	.....	71	.....	95	68	27	95	3	9	5	10	68	95
Noble.....	50	.....	134	.....	184	128	56	184	2	12	9	34	116	184
Ohio.....	9	.....	23	.....	32	26	6	32	1	1	1	3	26	32
Orange.....	56	1	89	.....	146	118	28	146	4	5	4	15	118	146
Owen.....	49	.....	69	.....	118	91	27	118	1	1	6	1	90	118
Parke.....	49	1	108	.....	158	110	48	158	1	3	9	35	97	158
Perry.....	69	1	93	.....	163	125	38	163	3	.....	10	25	119	163
Pile.....	88	.....	71	1	160	131	29	160	1	8	7	13	118	160
Porter.....	27	.....	154	.....	181	134	47	181	1	7	10	34	125	181
Posey.....	61	1	94	3	159	115	44	159	4	14	8	21	93	159
Pulaski.....	35	.....	87	.....	122	90	32	122	1	3	7	21	89	122
Putnam.....	54	.....	118	.....	172	107	65	172	2	10	11	46	97	172
Randolph.....	65	.....	160	.....	225	127	98	225	2	24	18	54	119	225
Ripley.....	51	.....	100	.....	151	128	23	151	4	1	6	12	128	151
Rush.....	39	1	113	2	155	97	58	155	1	13	13	34	89	155

NUMBER SUPERINTENDENTS, PRINCIPALS, SUPERVISORS AND TEACHERS EMPLOYED IN ALL SCHOOLS—Continued

COUNTIES	Male		Female		Total	Elemen- tary	High School	Total	No. of Supts. Emp.	No. of Super- visors and Spec. Tch.	No. of Principals		No. of Teachers		
	White	Colored	White	Colored							H. S.	Elem.	H. S.	Elem.	Total
Scott.....	40	.....	31	.....	71	60	11	71	1	2	2	7	57	71	
Shelby.....	71	1	120	1	193	143	50	193	1	14	6	7	29	126	193
Spencer.....	64	.....	97	6	167	133	34	167	5	7	6	16	16	117	167
Starke.....	26	.....	73	.....	99	72	27	99	3	1	8	.....	15	72	99
Steuben.....	30	.....	94	.....	124	84	40	124	2	6	9	.....	27	80	124
St. Joseph.....	117	.....	600	.....	717	612	105	717	3	64	6	28	90	526	717
Sullivan.....	64	.....	172	.....	236	173	63	236	2	8	11	5	42	168	236
Switzerland.....	33	.....	48	.....	81	67	14	81	2	2	2	.....	8	65	81
Tiptecanoe.....	62	.....	214	.....	276	166	110	276	7	21	9	16	84	139	276
Tipton.....	40	.....	79	.....	119	83	36	119	1	8	5	1	28	76	119
Union.....	15	.....	44	.....	59	39	20	59	2	7	5	1	7	37	59
Vanderburgh.....	95	12	381	24	512	413	99	512	1	16	3	17	96	379	512
Vermillion.....	35	.....	178	1	214	168	46	214	2	2	7	13	39	161	214
Vigo.....	105	8	584	18	715	572	143	715	3	48	13	66	108	477	715
Wabash.....	61	.....	156	.....	217	136	81	217	2	13	12	14	40	136	217
Warren.....	14	.....	58	.....	72	58	14	72	.....	2	3	.....	2	56	72
Warrick.....	74	2	107	1	184	145	39	184	2	8	7	2	23	142	184
Washington.....	74	.....	79	.....	153	122	31	153	3	4	6	.....	18	122	153
Wayne.....	75	.....	259	.....	337	237	100	337	3	28	12	21	72	201	337
Wells.....	66	.....	100	.....	166	122	44	166	1	15	9	5	23	113	166
White.....	50	.....	108	.....	158	112	46	158	3	5	7	2	31	110	158
Whitley.....	44	.....	96	.....	140	97	43	140	2	10	9	4	25	90	150
Totals.....	5,785	78	15,083	248	21,194	15,456	5,738	21,194	234	1,160	748	909	3,982	14,161	21,194

SALARY RANGE OF INDIANA TEACHERS

ELEMENTARY

COUNTIES	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or more
Adams.....	71	19	9	6	8	6				1	1		
Allen.....	44	29	42	16	19	27	18	20	48	20	17	124	24
Bartholomew..	65	13	13	12	1	2	6	4					
Benton.....	13	10	22	11	13	9							
Blackford.....	30	19	19	5	4								
Boone.....	83	21	11	14	12	2	2						
Brown.....	55	7	9										
Carroll.....	54	11	16	4				1					
Cass.....	21	53	21	12	9	10	18	8	14	5	5		6
Clark.....	83	32	16	22	4	5							
Clay.....	93	29	15	16	1	1	5	1	1				
Clinton.....	36	36	31	12	18	1							
Crawford.....	83	4	1										
Daviess.....	107	24	10	9	6	2	1						
Dearborn.....	64	27	12	18	3		1						
Decatur.....	42	22	17	7	4	1							
Dekalb.....	72	22	27	13	10	4							
Delaware.....	52	67	30	12	20	63	9		5	1	1	1	9
Dubois.....	111	16	6	3	1								
Elkhart.....	62	41	21	23	10	33	26	34	7		3		
Fayette.....	22	10	7	14	9		1			2	1		
Floyd.....	38	10	11	33	2	2	3	1			1		
Fountain.....	73	14	12	7	1		1	1					
Franklin.....	55	24	8	5									
Fulton.....	63	31	2		5	1							
Gibson.....	108	23	22	3	13	2	1						
Grant.....	81	50	40	13	34	16	2						
Greene.....	169	34	5	7	1								
Hamilton.....	71	27	24	8	3	1	1						
Hancock.....	24	18	29	7	3								
Harrison.....	131	10	14	4									
Hendricks.....	44	28	18	7	2			1					
Henry.....	63	22	43	17	2	3							
Howard.....	34	38	56	12	33	2	1	4	8				1
Huntington.....	50	23	16	4	9	40		3		3	2		
Jackson.....	87	16	22	9	4	5		1					
Jasper.....	51	14	19	7	6	1	1						
Jay.....	81	30	15	8									
Jefferson.....	89	1	15	13	3								
Jennings.....	71	2	4	7									
Johnson.....	35	14	25	5	20	11	1	1		1			5
Knox.....	117	73	24	10	9	11	1	3		1			1
Kosciusko.....	67	26	28	4	19	2	1			1			1
Lagrange.....	44	26	14	3	1								
Lake.....	26	33	39	28	32	51	99	118	90	97	43	23	36
Laporte.....	36	33	28	17	17	31	38	15	14		1	1	1
Lawrence.....	107	22	21	12	19	1	3			1			
Madison.....	58	59	44	41	31	40	5	7	11		2		
Marion.....	45	41	47	27	54	48	55	85	119	71	122	432	23
Marshall.....	51	44	21	12	4								
Martin.....	78	11	4	3									
Miami.....	57	30	18	19	12	12	2			1			1
Monroe.....	96	13	22	19	13	9	3	4	1				1
Montgomery.....	49	31	47	20	8	2	2	1	4				
Morgan.....	84	20	5	16	4		1		1				
Newton.....	9	17	15	17	7	3							
Noble.....	72	12	8	15	12	5	1	1				1	
Ohio.....	16	8	1	1									
Orange.....	83	23	11										
Owen.....	71	12	3	4	3								

SALARY RANGE OF INDIANA TEACHERS—Continued

ELEMENTARY

COUNTIES	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or more
Parke.....	70	20	14	6									
Perry.....	85	18	15	11	1				1				
Pike.....	108	5	10										
Porter.....	27	31	16	21	24	4	1	4	1				
Posey.....	52	17	31	7	4								
Pulaski.....	72	8	5	3									
Putnam.....	49	18	17	15	6	1		1					
Randolph.....	43	40	25	14	4		1						
Ripley.....	100	9	14	3	2								
Rush.....	15	28	25	18	8								
Scott.....	46	2	8		2								
Shelby.....	63	29	10	9	4	1	20	1	1		1	4	4
Spencer.....	94	19	13	6	1								
Starke.....	47	13	10	1	1								
Steuben.....	57	8	4	4	3			1	2				
St. Joseph....	56	36	28	24	62	69	57	115	75	9	4	1	2
Sullivan.....	101	30	22	11	3	3	3						
Switzerland..	57	5	3										
Tippecanoe...	38	15	24	6	21	27	29	2	2				
Tipton.....	37	23	16	1	1								
Union.....	6	13	6	11	2								
Vanderburgh..	68	26	24	21	6	69	70	78	12	4	4	2	12
Vermillion....	69	54	23	9	2	9	1						
Vigo.....	143	52	30	33	40	20	75	103	11	4	14	12	4
Wabash.....	38	23	21	14	20	1	4	1					
Warren.....	33	12	11	2									
Warrick.....	111	15	9	6		1							
Washington...	104	8	6	1	1	2							
Wayne.....	42	37	23	10	20	25	26	15	16	5	1	1	2
Wells.....	66	13	18	6			1						
White.....	71	27	9	1	1	1							
Whitley.....	49	14	10	4		4					1		
Totals.....	5,864	2,165	1,655	957	779	698	601	635	445	225	224	612	139

SALARY RANGE OF INDIANA TEACHERS

HIGH SCHOOL TEACHERS

	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or More
Adams.....		1		2	6	8	8		3	1	1		3
Allen.....			4	1	4	4	2	2	1	4	6	11	59
Bartholomew.....			1	9	5	6	3	5	6	1	1		2
Benton.....	2	3	1	4	12	4	4	3	5	3	6	2	6
Blackford.....		2				3	8	2	2	2			
Boone.....			1	3	15	9	4	1		3	3		7
Brown.....			2	4	1		2						
Carroll.....			2	2	11	4	8	5	3	2	2	1	2
Cass.....			7	6	13	3	7	7	13	2	9	3	12
Clark.....					15	5	3	1					2
Clay.....			4	7	6	13	6	4	3	5	5	1	7
Clinton.....	1		4	8	23	7	5	3	4	2	3		5
Crawford.....		1	3	2	5	1	2		1				
Davies.....				5	6	9	9	4	7	1			3
Dearborn.....			1		8	4				1	3		2
Decatur.....	1	2	4	5	6	2	6	5	3		2		3
Dekalb.....			3	2	2	8	4	8	8	2	5		9
Delaware.....	5	1	1	9	21	3	19	36	14	6	10	1	14
Dubois.....			2	4	4		6	2	3	3			
Elkhart.....			7	8	8	2	6	17	16	2	7	1	7
Fayette.....			5		3	5	7	5	3	5	7		2
Floyd.....	1	1			2		17	4		1			
Fountain.....	1	2	3	7	6	8	2	3	5	1	2	1	5
Franklin.....			1	1	3	3		1		1			1
Fulton.....	2		1	4	7	10	4	1	1	1	1		
Gibson.....	1	2	6	6	11	13	5	3	3		1	1	6
Grant.....	2	9	2	16	6	10	10	7	6	2			5
Greene.....			2	11	16	11	6	5	3	2	1		7
Hamilton.....	1		4	1	10	11	6	1	7	2	1	1	4
Hancock.....	1		6	7	10	9	2	5	6		5	1	4
Harrison.....			3	9	10	3	5		1		2		
Hendricks.....	2	2	14	10	12	3	4	4	6	2	1	1	10
Henry.....	2		11	9	21	8	4	4	4	4	2		2
Howard.....			8	6	9	7	8	7	8	4	2	3	7
Huntington.....			6	8	32	3	4	21	6	2	1	3	3
Jackson.....		3	2	2	4	9	5	2	3	2	3	1	3
Jasper.....	4	6	4	5				3	3	2	1		1
Jay.....		4	8	2	11	4	3		3	1	2		2
Jefferson.....			7	4	10	6				1	1		
Jennings.....			5	7	5	5	4	4	1	1			
Johnson.....			2	6	3	11	1	2	4	1	3	1	3
Knox.....			9	2	22	12	7	10	3	4	3	4	6
Kosciusko.....	1	3	4	8	18	3	3	5	10	4	1	2	3
Lagrange.....			1	4	8	10	3	1	7	2	2		2
Lake.....	1		1	2	2	3	5	1	7	14	18	14	62
Laporte.....		1	2	8	10	2	6	6	8	12	8	4	6
Lawrence.....			2	2	12	8	7	4	8		4	1	2
Madison.....		1	3	3	11	11	12	27	10	27	10		16
Marion.....				8	25	5	4	7	9	1	15	19	313
Marshall.....			1	13	14	7	1	2	4		1		5
Martin.....			1	2	3	2			1		1		3
Miami.....	1	2	4	3	8	3	5	4	10	9	2	2	1
Monroe.....			2	3	12	7	5			1	1	1	
Montgomery.....	1	5	18	18	21	11	5	7	5	3	1		9
Morgan.....				5	7	7	1		3	1	2		6
Newton.....					2	1	3	3	2	2		2	3
Noble.....	2	5	2	4	8	3	11	2	2		2	1	3
Ohio.....			1	1	2						1		1
Orange.....	1	1	6	3	7	1		1		1	1		1
Owen.....	1		3	2	6		3	1	1	2	1		5

SALARY RANGE OF INDIANA TEACHERS—Continued

HIGH SCHOOL TEACHERS

	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or More
Parke.....		3	4	4	15	6	2	3	1	1	3		3
Perry.....		2	6	6	6	2	8				2		
Pike.....	1	3	5	5	7	3	4	1	2				
Porter.....			1	2	5	9	5	9	4	3	1	1	41
Posey.....		3	3	4	8	5	4	4	2	4			
Pulaski.....	1		5	3	8	2	6	4	2		1		1
Putnam.....		1	1	4	12	5	13	5	3		3	3	3
Randolph.....	1		3	8	13	8	1	2	2	7	4	2	3
Ripley.....	1	1	1	4	2	5	2	2	3		1		
Rush.....			1	4	13	3	2	4	9	2	4		6
Scott.....		1	1		4		1		1				3
Shelby.....			4	1	4		5	2	3	1	4	7	5
Spencer.....	1	1	5	11	7	2	3	1					3
Starke.....	1		1	4	7	1	3	2	1		2	1	1
Steuben.....	2	1	6	2	7	9			5	1	2		1
St. Joseph.....			5		5			3	7	13	5	4	45
Sullivan.....		3	3	8	10	11	6	2	4	2	2	1	3
Switzerland.....		3	6	1	2		1						1
Tippecanoe.....	2	6	9	7	5	8	13	12	9	11	4	2	5
Tipton.....		3	3	1	11	6	1	2	2	1	1	1	1
Union.....					5	4	2		1	1			2
Vanderburgh.....	1		2		1	1	3	7	3	12	8	15	47
Vermillion.....			4	6	19		8	3			1		4
Vigo.....			1	2	15	16	8	13	13	18	8	6	21
Wabash.....	1	1	6	7	7	6	9	4	8	6	8		3
Warren.....				1	7		2			2	1		1
Warrick.....		1	3	5	3	6	3	3	1				1
Washington.....		2	4	5	7	2	4	1	1				1
Wayne.....			12	4	17	3	4	5	7	10	18	2	9
Wells.....				1	2	6			9	1	5	2	3
White.....	1	2	7	17	4	1	1	1	1		3		5
Whitley.....		1	2	2	12	3	2	4	3	1	3		7
Totals.....	46	94	315	412	823	467	421	364	262	256	267	130	847

SALARY RANGE OF INDIANA TEACHERS—Continued

SPECIAL TEACHERS

	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or More
Adams.....	1						1		1		2		
Allen.....		1			1		1		3	5	1	2	10
Bartholomew.....				2			1	2		1			
Benton.....					1	7			1				
Blackford.....													
Boone.....	1		1	1			4						
Brown.....				2									
Carrcll.....	2	1			3	1							
Cass.....	1		1						2	1	2		5
Clark.....					3	1							
Clay.....						1		1		1	1		1
Clinton.....				1	1		2	1	2		1		1
Crawford.....				8	1								
Daviess.....			1		1	1			2				1
Dearborn.....					4								1
Decatur.....	1	1	2	3		1							
Dekalb.....				1	1	4		1					1
Delaware.....	3	2	2		2	3	1	1	2	1	1		3
Dubois.....			5										
Elkhart.....	1		3		2			2	4	2	3		6
Fayette.....							1	2			1		
Floyd.....							3	1					1
Fountain.....	4		1		2	4		1	1		1	1	2
Franklin.....	1				1	1			1				
Fulton.....				1		2							
Gibson.....		1	3	2	3		2		1				
Grant.....	3	1		2	4	2			1			1	2
Greene.....			5	1	1		1	1					
Hamilton.....	1		3		3	1			2				
Hancock.....	1		2	5	4		1	1	1				
Harrison.....													
Hendricks.....		1	1	2		2			1				
Henry.....	4	2	3	3		2							2
Howard.....			2	2		3	1	2	1		1		2
Huntington.....			1		3	2			1				3
Jackson.....	1				5	2							
Jasper.....	2					1							2
Jay.....			2						1				
Jefferson.....													
Jennings.....						1							
Johnson.....				1									
Knox.....	1	1	6	5	8	6		1	1		1		2
Kosciusko.....	1	2	1		4			1					
Lagrange.....			1	1			1						2
Lake.....	2			2	1	5	1	1	6	4	8	10	23
Laporte.....					3		5		5		1	4	3
Lawrence.....			1	1	2		1		1	7	1		
Madison.....	1		2	2			1	2		1			7
Marion.....	1	1	3	2	5		3	6	10		15	17	151
Marshall.....			3	3	3		1		1	1	1		2
Martin.....													
Miami.....								1	1	2	1		2
Monroe.....	2	1	1	2	4	3	2	1			1		2
Montgomery.....		1	2	2	4	3	2						2
Morgan.....				4	1		1	1			1		6
Newton.....				1	2	2	1				2		
Noble.....	3		2		3		3			1			
Ohio.....													
Orange.....		1			2			1					1
Owen.....													

SALARY RANGE OF INDIANA TEACHERS—Continued

SPECIAL TEACHERS

	\$800 to \$899	\$900 to \$999	\$1,000 to \$1,099	\$1,100 to \$1,199	\$1,200 to \$1,299	\$1,300 to \$1,399	\$1,400 to \$1,499	\$1,500 to \$1,599	\$1,600 to \$1,699	\$1,700 to \$1,799	\$1,800 to \$1,899	\$1,900 to \$1,999	\$2,000 or More
Parke.....						1	1	1					
Perry.....													
Pike.....	1		1	1	1					1			1
Porter.....				2	2	1		1		2			
Posey.....			1	4				2					2
Pulaski.....				1	1			1		1			
Putnam.....	1		1	2	2	2	1	1			1		4
Randolph.....	3		6	3	7	6					1		
Ripley.....	1												
Rush.....				1	3	1	4	3					1
Scott.....	2				1								
Shelby.....			1	2	2	1	2	1	1		2	2	1
Spencer.....													
Starke.....			3										
Steuben.....				1		1			1		2		2
St. Joseph.....	1	1	1	2	2	1	9	9	9	5	6	2	34
Sullivan.....	1			2		4			1				
Switzerland.....			2		2								
Tippecanoe.....	3			1	1	1	1	1	1				1
Tipton.....				1		3		1	1				
Union.....	4					1	1						
Vanderburgh.....	3							3	2	1	2		5
Vermillion.....													
Vigo.....	1		2	6	6	8	6	8	5	3	3	1	10
Wabash.....	1	1	4	2	5	7	1		3		3		2
Warren.....													
Warrick.....			5	4			1						
Washington.....			1	3									
Wayne.....	3		1		11			3		1	1		3
Wells.....	2				5		1	2	4		3		
White.....		1		1									1
Whitley.....					5				1	1			
Totals.....	63	20	84	105	142	101	66	67	86	38	70	40	208

SCHOOL TERM AND DAILY ATTENDANCE

	Length of School Term in Days (1921-1922)		Average Daily School Attendance		
	Elemen- tary	High School	Elemen- tary	High School	Total
Adams.....	160	160	3,367	621	3,988
Allen.....	165	167	13,794	2,042	15,836
Bartholomew.....	160	167	3,514	744	4,258
Benton.....	170	170	1,522	375	1,897
Blackford.....	169	173			
Boone.....	163	167	3,520	856	4,376
Brown.....	160	157	1,267	113	1,380
Carroll.....	160	160	2,295	679	2,974
Cass.....	162	165	5,108	1,503	6,611
Clark.....	164	168	4,466	705	5,171
Clay.....	163	170	5,076	981	6,057
Cinton.....	163	163	4,093	1,159	5,252
Crawford.....	160	160	2,086	201	2,287
Daviess.....	162	162	4,669	812	5,481
Dearborn.....	165	172	2,705	413	3,118
Decatur.....	162	162	2,803	617	3,420
Dekalb.....	161	163	3,984	872	4,856
Delaware.....	167	174	8,044	2,020	10,064
Dubois.....	148	164	3,127	347	3,474
Elkhart.....	166	169	8,556	1,739	10,295
Fayette.....	167	172	2,299	644	2,943
Floyd.....	170	170	3,767	539	4,306
Fountain.....	154	166	2,964	795	3,759
Franklin.....	160	170	2,414	210	2,624
Fulton.....	164	164	2,717	680	3,397
Gibson.....	162	162	3,896	1,125	5,021
Grant.....	175	175	7,539	1,562	9,101
Greene.....	160	166	6,600	1,273	7,873
Hamilton.....	160	163	3,675	946	4,621
Hancock.....	165	165	2,366	913	3,279
Harrison.....	158	162	3,109	457	3,566
Hendricks.....	160	160	3,354	953	4,307
Henry.....	172	172	4,506	1,314	5,820
Howard.....	171	171	6,520	1,130	7,650
Huntington.....	160	160	4,135	1,650	5,785
Jackson.....	160	162	3,625	714	4,339
Jasper.....	162	164	2,332	518	2,850
Jay.....	160	163	3,838	761	4,599
Jefferson.....	162	163	2,807	453	3,260
Jennings.....	162	163	2,223	488	2,711
Johnson.....	164	164	3,187	856	4,043
Knox.....	162	162	7,731	1,419	9,150
Kosciusko.....	162	162	4,556	1,089	5,645
Lagrange.....	163	162	2,319	481	2,800
Lake.....	184	186	20,016	3,875	23,891
Laporte.....	171	172	6,766	1,297	8,063
Lawrence.....	170	170	5,933	1,040	6,973
Madison.....	163	168	9,263	2,967	12,230
Marion.....	165	164	41,349	7,904	49,253
Marshall.....	166	166	4,450	895	5,345
Martin.....	160	160	1,899	205	2,104
Miami.....	157	162	4,039	1,074	5,113
Monroe.....	170	176	4,693	726	5,419
Montgomery.....	170	170	4,361	1,460	5,821
Morgan.....	160	167	3,173	764	3,937
Newton.....	165	180	1,868	372	2,240
Noble.....	164	167	3,155	756	3,919
Ohio.....	164	180	551	85	636
Orange.....	152	160	1,829	1,071	2,900
Owen.....	152	165	2,220	387	2,596

SCHOOL TERM AND DAILY ATTENDANCE—Continued

	Length of School Term in Days (1921-1922)		Average Daily School Attendance		
	Elemen- tary	High School	Elemen- tary	High School	Total
Parke.....	160	162	3,059	594	3,653
Perry.....	157	164	2,527	349	2,876
Pike.....	158	160	3,390	478	3,868
Porter.....	180	180	3,180	710	3,890
Posey.....	162	162	2,755	605	3,360
Pulaski.....	160	162	1,996	584	2,580
Putnam.....	165	165	3,110	892	4,002
Randolph.....	160	160	4,212	1,346	5,558
Ripley.....	152	160	2,501	515	3,016
Rush.....	160	163	2,772	672	3,444
Scott.....	160	160			
Shelby.....	153	162	3,888	774	4,662
Spencer.....	160	164	3,034	448	3,482
Starke.....	161	167	1,825	376	2,201
Steuben.....	160	160	1,729	580	2,309
St. Joseph.....	166	166	14,177	2,281	16,458
Sullivan.....	161	161	5,763	1,107	6,870
Switzerland.....	150	160	1,389	208	1,597
Tippecanoe.....	176	176			
Tipton.....	164	169	2,523	583	3,106
Union.....	170	179	982	208	1,190
Vanderburgh.....	174	200	11,021	2,415	13,436
Vermilion.....	170	170	5,297	884	6,181
Vigo.....	165	176	13,965	3,662	17,627
Wabash.....	172	172			
Warren.....	160	160	1,456	218	1,674
Warwick.....	161	161	3,800	585	4,385
Washington.....	149	163	2,861	574	3,435
Wayne.....	176	176	6,252	1,563	7,815
Wells.....	162	162	3,313	692	4,005
White.....	160	160	2,604	729	3,333
Whitley.....	163	163	2,498	702	3,200
Totals.....			409,928	87,961	497,889
Average for State.....	163	167			

TRANSPORTATION

	Number of Children Transported by					Number of Vehicles Privately Owned			Cost
	Rail-road	Motor Bus	Horse Drawn	Private	Total	Motor	Horse Drawn	Total	
Adams.....		432	96	5	533	13	6	19	\$13,052 50
Allen.....		427	178	62	667	19	8	27	24,053 17
Bartholomew.....		400	400	27	827	21	19	40	26,288 24
Benton.....					1,187	53	1	54	46,350 17
Blackford.....		145	35	3	183	5	4	9	6,643 07
Boone.....	1	330	673	69	1,093	11	68	79	34,485 00
Brown.....			45		45		9	9	2,322 55
Carroll.....		1,129	216	35	1,380	54	22	76	55,187 81
Cass.....		661	294	49	1,004	40	18	58	33,281 40
Clark.....	18	43	144		205	10	14	24	11,274 10
Clay.....		97	266	45	408	5	35	40	12,382 98
Clinton.....	39	881	406	89	1,415	44	35	79	56,931 26
Crawford.....				9	9		1	1	640 00
Daviess.....		261	482	64	807	10	43	53	25,115 39
Dearborn.....	18	82	134	71	305	7	22	29	10,484 65
Decatur.....	6	692	178	33	909	26	17	43	42,770 30
Dekalb.....		19	303	118	440	2	24	26	11,194 53
Delaware.....	3	1,818	712	22	2,555	70	41	111	81,250 81
Dubois.....				7	7		3	3	150 00
Elkhart.....		225	680	39	944	17	43	60	34,762 94
Fayette.....		222	380	50	652	7	21	28	14,476 89
Floyd.....			110	15	125	2	7	9	4,129 90
Fountain.....					1,200	17	74	91	49,178 85
Franklin.....		179	348	49	576	14	40	54	22,993 74
Fulton.....		134	769	19	922				34,556 10
Gibson.....	28	310	803	44	1,185	10	43	53	37,421 62
Grant.....		651	299	68	1,018	28	19	47	25,131 49
Greene.....		180	163	90	433	11	22	33	14,369 35
Hamilton.....		748	403	27	1,178	51	37	88	47,897 86
Hancock.....	16	1,079	175	72	1,342	67	18	85	49,227 32
Harrison.....			58	3	61		4	4	2,114 00
Hendricks.....	15	145	1,143	64	1,667	9	98	107	49,227 32
Henry.....	22	1,112	596	130	1,860	54	52	106	63,609 87
Howard.....	16	1,095	352	63	1,526	53	26	79	50,498 96
Huntington.....	5	291	98	110	504	13	32	45	18,950 25
Jackson.....		83	418	16	517	7	38	45	22,292 74
Jasper.....		446	349	126	921	33	57	90	35,147 23
Jay.....	2	128	432	58	620		29	37	18,148 15
Jefferson.....		91	429	50	570	4	46	50	17,355 75
Jennings.....		188	209	32	429	7	22	29	12,398 98
Johnson.....	12	904	262	20	1,198	29	16	55	35,712 64
Knox.....		581	1,443	10	2,034	18	74	92	53,157 84
Kosciusko.....	15	367	647	54	1,083	12	27	39	66,640 68
Lagrange.....		126	585	63	734	9	53	62	31,553 73
Lake.....	82	310	991	171	1,554	15	49	64	47,337 60
Laporte.....	9	101	882	152	1,084	16	61	77	50,692 92
Lawrence.....		241	158	6	405	14	11	25	12,328 66
Madison.....		793	320	41	1,154	28	27	55	34,531 47
Marion.....	31	1,150	936	26	2,143	41	46	87	54,039 42
Marshall.....		160	996	154	1,310	15	80	95	43,676 66
Martin.....		13	39	10	62	2	3	5	2,823 20
Miami.....	15	629	710	73	1,427	39	58	97	48,250 18
Monroe.....		51	12		63	6	2	8	4,038 18
Montgomery.....		1,118	1,151	108	2,377	55	78	133	88,071 99
Morgan.....	40	250	481	32	803	12	30	42	24,454 49
Newton.....		315	189	41	545	30	27	57	27,442 75
Noble.....	4	373	410	40	827	17	45	62	28,871 83
Ohio.....		6	19	3	28	1	4	5	1,678 25
Orange.....		93	196		289	6	14	20	7,904 80
Owen.....		327	263	17	607	14	16	30	17,853 71

TRANSPORTATION—Continued

	Number of Children Transported by					Number of Vehicles Privately Owned			Cost
	Rail-road	Motor Bus	Horse Drawn	Private	Total	Motor	Horse Drawn	Total	
Parke.....		452	533	66	1,051	25	59	84	\$46,983 35
Perry.....									5 00
Pike.....			135	9	144		13	13	5,484 00
Porter.....	5	99	669	80	853	11	58	69	36,951 95
Posey.....		315	213	24	552	11	18	29	18,473 66
Pulaski.....		153	330	31	514	12	35	47	17,879 76
Putnam.....	1	622	450	185	1,258	47	52	99	46,867 81
Randolph.....		2,039	1,237	31	3,307	62	66	128	83,797 55
Ripley.....		21	135	37	193	1	16	17	5,138 83
Rush.....		1,471	182	15	1,768	66	17	83	67,715 73
Scott.....			146	10	156		12	12	4,857 22
Shelby.....		365	587	67	1,019	25	42	67	29,651 20
Spencer.....	16		271	17	304		24	24	11,984 23
Starke.....		411	201	66	678	23	36	59	20,158 93
Steuben.....			454	86	540	5	39	44	19,931 93
St. Joseph.....		270	167	12	449	11	20	31	25,061 30
Sullivan.....		114	1,100		1,214	5	44	49	34,430 60
Switzerland.....		50	89	11	150	7	12	19	9,578 81
Tippecanoe.....	6	1,741	494	59	2,300	67	27	94	81,390 05
Tipton.....		749	186		935	27	16	43	28,833 01
Union.....		52	231	57	340	5	25	30	13,388 77
Vanderburgh.....	45	105	206	12	368	6	15	21	12,257 92
Vermillion.....		96	484	13	593	5	33	38	23,886 45
Vigo.....	21	289	633	31	974	11	30	41	24,224 03
Wabash.....	7	1,938	1,112	114	3,171	57	40	97	77,006 03
Warren.....		492	147	56	695	53	15	68	42,377 51
Warrick.....	50	100		8	158	2	2	4	4,691 50
Washington.....		55	207	76	338	2	22	24	9,133 28
Wayne.....	12	1,379	189	41	1,621	52	20	72	51,047 67
Wells.....		424	288	29	741	17	13	30	22,065 82
White.....		309	488	181	978	3	31	34	38,307 29
Whitley.....		132	355	75	562	7	24	31	22,953 59
Totals.....	*560	*36,875	*35,585	*4,418	79,780	1,816	2,715	4,531	\$2,681,680 22

*Three counties reported total only.

NUMBER AND VALUE OF SCHOOL PROPERTY

	School Houses Completed During Year		School Houses Now in Use		Value of Grounds	Total Value of Buildings and Grounds	Assessed Value of All Property Total
	Number	Value	Number	Value			
Adams.....			70	\$758,200	\$80,750	\$838,950	\$22,070,410
Allen.....	3	\$255,000	247	2,798,445	364,550	3,162,995	228,012,540
Bartholomew.....			61	645,350	104,540	749,890	51,603,720
Benton.....			23	552,550	34,050	586,600	69,022,804
Blackford.....	2	36,000	35	431,500	27,900	459,400	6,852,845
Boone.....			76	661,970	65,000	726,970	65,450,474
Brown.....	2	5,646	67	47,000	3,000	50,000	3,757,570
Carroll.....			35	503,300	17,800	521,100	51,912,450
Cass.....	3	135,450	73	1,667,658	81,300	1,748,958	77,410,855
Clark.....	1	1,650	78	580,400	43,300	623,790	30,748,020
Clay.....	3	60,500	95	716,660	179,490	896,150	32,286,540
Clinton.....	1	50,000	56	1,131,570	92,650	1,224,220	78,391,476
Crawford.....	1	1,525	72	113,700	8,140	121,840	5,895,670
Daviess.....	1	8,000	91	625,775	55,635	681,410	34,524,510
Dearborn.....			77	298,750	18,850	317,600	24,508,415
Decatur.....	1	34,697	46	773,000	34,200	807,200	40,315,355
Dekalb.....			89	784,410	43,175	827,585	39,768,845
Delaware.....	5		48	2,070,000	79,900	2,149,900	109,779,540
Dubois.....	1	1,850	99	171,302	31,253	202,555	17,596,781
Elkhart.....	1	250,000	95	1,796,000	237,700	2,033,700	106,258,556
Fayette.....	1	3,850	24		615,425	615,425	32,932,424
Floyd.....			49	483,500	84,500	568,000	18,574,025
Fountain.....	1	100,000	43	530,000	27,800	557,800	46,891,834
Franklin.....	2	17,400	54	179,300	20,500	199,800	21,971,795
Fulton.....			51	506,600	13,650	520,250	40,360,000
Gibson.....	5	136,879	82	652,090	39,165	691,255	51,409,368
Grant.....	3	101,000	97	1,685,500	192,500	1,878,000	88,458,350
Greene.....	2	168,900	129	1,003,550	38,565	1,042,115	41,330,375
Hamilton.....	1	170,000	57	1,046,250	50,050	1,096,300	53,021,713
Hancock.....	6	294,567	33	826,545	15,700	842,245	5,282,786
Harrison.....			134	250,000	50,000	300,000	11,451,164
Hendricks.....	2	200,000	47	872,300	79,400	951,700	57,820,635
Henry.....	1	16,000	45	931,500	256,800	1,188,300	67,954,560
Howard.....	2	140,000	43	1,568,000	179,500	1,747,500	94,319,380
Huntington.....			70	924,500	95,500	1,020,000	64,517,400
Jackson.....	2	15,853	85	606,900	43,685	650,585	35,214,530
Jasper.....	4	150,000	57	425,000	10,000	435,000	42,529,460
Jay.....	1	80,000	85	623,400	35,750	659,150	48,743,489
Jefferson.....	1	1,762	69	230,750	6,100	236,850	17,998,995
Jennings.....	1	21,000	61	173,750	6,895	180,645	17,754,715
Johnson.....	2	46,000	38	390,600	28,100	418,700	53,764,165
Knox.....			70	1,591,000	89,700	1,680,700	74,213,950
Kosciusko.....	3	185,000	61	989,840	25,360	1,015,200	65,445,310
Lagrange.....	1	45,000	52	471,125	22,100	493,225	32,234,519
Lake.....	5	571,348	102	5,481,486	1,127,400	6,608,886	370,706,335
Laporte.....	2	108,000	87	1,697,480	123,260	1,820,740	89,172,770
Lawrence.....			95	718,245	68,600	786,845	25,649,755
Madison.....	5	304,000	113	2,011,600	197,800	2,209,400	102,349,654
Marion.....	18	4,166,332	132	10,715,270	3,081,383	13,796,653	92,600,109
Marshall.....	1	8,000	62	764,000	52,000	816,000	57,534,156
Martin.....			86	267,400	11,750	279,150	4,342,367
Miami.....	2	155,000	55	1,058,500	122,800	1,181,300	59,369,290
Monroe.....	2	13,500	98	908,326	131,900	1,040,276	25,436,460
Montgomery.....	2	43,215	45	1,485,500	86,375	1,571,875	56,557,220
Morgan.....			69	444,950	51,050	496,000	28,511,546
Newton.....	2	250,000	31	508,000	16,400	524,400	43,494,530
Noble.....	1	38,000	65	727,100	43,400	770,500	52,636,572
Ohio.....			19	25,800	3,100	28,900	4,298,826
Orange.....			92	78,200	26,950	105,150	16,512,505
Owen.....	1	1,500	69	216,975	12,450	229,425	16,610,150

NUMBER AND VALUE OF SCHOOL PROPERTY—Continued

	School Houses Completed During Year		School Houses Now in Use		Value of Grounds	Total Value of Buildings and Grounds	Assessed Value of All Property Total
	Number	Value	Number	Value			
Parke.....			56	\$408,500	\$233,100	\$641,600	\$30,627,395
Perry.....	1	\$1,500	97	158,250	14,600	172,850	11,183,444
Pike.....	10	43,471	86	218,500		218,500	19,708,385
Porter.....	1	30,000	65	178,000	24,700	202,700	62,376,310
Posey.....	1	60,000	58	584,500	87,100	671,600	37,946,935
Pulaski.....	2	112,000	65	497,850	14,350	512,200	29,670,637
Putnam.....	2	25,000	64	777,300	27,180	804,480	42,477,936
Randolph.....	3	324,000	29	1,098,900	67,200	1,166,100	69,137,270
Ripley.....			103	161,600	13,320	174,920	21,847,090
Rush.....			32	595,000	44,000	639,000	66,245,095
Scott.....	1	54,000	33	396,000		396,000	9,271,895
Shelby.....			75	834,000	80,250	914,250	30,909,520
Spencer.....	1	38,000	88	256,950	15,000	271,950	19,720,610
Starke.....			43	270,185	14,400	284,585	26,465,400
Steuben.....			48	393,500	23,500	417,000	22,209,705
St. Joseph.....	5	1,035,000	136	4,585,028	823,100	5,408,128	208,901,330
Sullivan.....	2	79,000	97	859,000	44,750	903,750	40,105,030
Switzerland.....			58	67,900	11,500	79,400	*
Tippecanoe.....			46	815,900	2,680	1,818,580	106,983,535
Tipton.....	2	148,000	38	723,000	27,700	750,700	46,660,400
Union.....			26	134,000	10,500	144,500	*
Vanderburgh.....	1	2,500	87	3,464,300	76,200	3,540,500	147,554,230
Vermillion.....		25,000	54	772,000	54,000	826,000	44,678,585
Vigo.....	3	120,730	120	2,120,730	935,062	3,055,792	137,777,510
Wabash.....			33	959,000	76,550	1,035,550	626,799,961
Warren.....	1	35,000	43	267,700	9,900	277,600	43,568,290
Warrick.....	3	76,000	105	400,550	18,225	418,775	20,858,095
Washington.....			101	210,100	14,925	225,025	16,144,024
Wayne.....	2	520,000	58	1,681,120	746,500	2,427,620	88,056,488
Wells.....			66	624,650	23,375	648,025	49,891,924
White.....			61	425,900	12,225	438,125	56,217,300
Whitley.....	1	27,000	63	394,589	11,300	405,889	40,180,930
Totals.....	148	\$1,743,625	6,436	\$87,532,874	\$12,293,878	\$99,826,752	\$5,440,257,822

	TRUSTEES' SALARIES			DEBT
	Salaries of Trustees	Portion for School Purposes	Office and Travel for School Purposes	Bond Debt all Indiana School Corp., Aug. 1, 1922
Adams.....	\$8,370	\$4,515	\$1,865	\$245,620
Allen.....	14,270	6,930	2,490	2,387,004
Bartholomew.....	9,150	4,500	1,015	172,126
Benton.....	7,500	5,560	2,255	85,797
Blackford.....				264,060
Boone.....	8,580	4,480	980	258,600
Brown.....	2,800	1,400	270	30,000
Carroll.....	8,480	3,710	1,260	77,200
Cass.....	10,550	5,470	1,570	492,565
Clark.....	7,290	3,545	1,715	113,350
Clay.....	8,210	4,830	1,000	363,710
Clinton.....	9,520	6,160	2,810	314,000
Crawford.....	4,680	2,400	409	22,412
Daviess.....	6,790	4,230	1,175	89,875
Dearborn.....	7,590	2,572	660	16,800
Decatur.....	6,820	1,440	887	169,213
Dekalb.....	8,715	3,865	1,042	24,400
Delaware.....	10,020	4,949	1,540	1,322,820
Dubois.....	7,140	3,320	885	5,645
Elkhart.....	10,840	5,850	1,738	898,050
Fayette.....	5,645	2,100	814	73,681
Floyd.....	3,750	1,500	300	140,440
Fountain.....	7,560	4,080	966	66,800
Franklin.....	7,610	4,000	1,313	56,000
Fulton.....	6,270	3,300	500	157,000
Gibson.....				512,575
Grant.....	10,740	6,377	1,731	702,650
Greene.....				261,225
Hamilton.....	7,490	4,765	1,231	217,000
Hancock.....	6,940	4,858	1,005	548,818
Harrison.....				71,495
Hendricks.....				311,915
Henry.....	9,000	5,700	1,499	361,455
Howard.....	8,460	4,424	1,125	609,110
Huntington.....	16,500	6,084	1,656	341,330
Jackson.....	7,690	5,080	1,450	177,950
Jasper.....	8,579	5,329	1,275	193,782
Jay.....				117,400
Jefferson.....	6,700	4,000	570	26,300
Jennings.....	6,520	3,300	822	103,200
Johnson.....	6,888	4,900	980	90,435
Knox.....	10,880	6,000	1,100	474,680
Kosciusko.....				350,000
Lagrange.....	6,720	3,805	875	122,589
Lake.....	8,965	2,878	690	2,908,625
Laporte.....	14,220	7,640	3,310	152,375
Lawrence.....	6,700	3,975	930	329,503
Madison.....	11,620	6,360	1,996	609,430
Marion.....	12,440	5,400	1,660	9,951,893
Marshall.....	7,690	4,750	910	265,300
Martin.....	5,110	2,235	941	23,965
Miami.....				406,547
Monroe.....	6,800	4,080	1,200	93,876
Montgomery.....	8,740	5,590	1,710	351,554
Morgan.....	9,160	5,090	1,442	123,000
Newton.....	6,180	4,010	975	372,970
Noble.....	8,280	4,315	1,230	202,100
Ohio.....	1,950	600	90	900
Orange.....	6,100	4,020	765	42,660
Owen.....	6,840	4,360	938	33,544

	TRUSTEES' SALARIES			DEBT
	Salaries of Trustees	Portion for School Purposes	Office and Travel for School Purposes	Bond Debt all Indiana School Corp., Aug. 1, 1922
Parke.....	\$8,620	\$6,110	\$1,935	\$226,541
Perry.....				71,000
Pike.....	5,970	3,150	710	101,942
Porter.....				302,350
Posey.....	6,540	3,380	980	87,400
Pulaski.....	7,290	3,645	1,175	175,551
Putnam.....	7,800	5,898	1,195	139,315
Randolph.....	9,700	5,070	1,435	404,798
Ripley.....	7,080	3,292	1,082	19,405
Rush.....	8,320	5,046	1,147	98,005
Scott.....	3,240	1,080	250	94,351
Shelby.....	9,400	4,700	1,316	407,425
Spencer.....	6,295	4,152	1,252	3,450
Starke.....	5,675	3,255	946	51,480
Steuben.....	6,870	4,120	1,180	139,493
St. Joseph.....	13,139	7,635	2,097	2,720,800
Sullivan.....	7,660	4,910	1,510	289,758
Switzerland.....	3,550	2,500	565	9,300
Tippecanoe.....	10,720	7,570	1,865	204,400
Tipton.....	5,040	3,024	1,100	359,620
Union.....	3,520	2,430	530	14,500
Vanderburgh.....	6,920	2,590	894	847,000
Vermillion.....	4,840	3,260	835	142,500
Vigo.....	9,430	7,530	1,885	1,376,020
Wabash.....	7,040	5,100	875	225,811
Warren.....	7,440	5,330	1,855	39,415
Warrick.....				168,500
Washington.....	7,807	4,771	1,699	23,550
Wayne.....	10,710	6,360	1,736	933,540
Wells.....	7,180	5,445	1,397	115,000
White.....	7,645	4,495	1,585	276,214
Whitley.....				79,000
Totals.....	\$627,593	\$349,234	\$98,596	\$39,456,703

DISBURSEMENTS FROM TUITION AND SPECIAL SCHOOL FUNDS

COUNTIES	Total Amount Paid for Teaching and Supervision	Total Amount Paid for Transfers	Total Amount Paid for Attending Institutes	Total Amount Paid for Permanent Improvements	Total Amount Paid for Temporary Improvements, Supplies, Etc.	Total Amount Paid from Tuition Fund	Total Amount Paid from Special School Fund	Total Amount Paid from Other Funds	Total Disbursements
Adams.....	\$173,370 31	\$15,411 72	\$4,227 56	\$39,606 61	\$165,181 02	\$176,306 67	\$197,646 71	\$23,843 84	\$397,797 22
Allen.....	920,841 08	24,375 49	8,674 41	1,068,661 92	539,874 42	917,266 47	537,712 28	1,107,448 57	2,562,427 32
Batholomew.....	184,394 21	15,121 45	4,387 37	34,171 34	110,227 01	189,643 22	131,303 88	27,354 33	348,801 88
Benton.....	164,944 78	10,431 09	6,392 42	26,569 52	170,676 00	166,850 64	212,163 17	379,013 81	379,013 81
Blackford.....	118,310 73	16,804 62	1,375 30	81,176 63	80,634 34	110,157 50	152,663 25	29,480 77	298,301 52
Boone.....	203,542 00	42,925 00	7,725 00	19,702 00	132,718 00	229,178 00	168,528 00	28,906 00	426,612 00
Brown.....	67,489 05	1,430 98	2,275 85	6,265 89	12,817 27	68,003 45	22,275 59	.....	90,279 04
Carroll.....	141,099 94	17,522 55	4,096 30	4,598 95	127,404 54	146,054 69	148,667 59	.....	294,722 28
Cass.....	357,636 42	31,456 04	14,786 90	278,692 46	277,098 88	361,973 36	406,154 21	192,443 13	959,670 70
Clark.....	183,324 31	17,344 35	5,315 15	9,508 61	75,868 24	183,440 93	99,547 09	8,432 64	291,426 66
Clay.....	252,596 21	30,525 56	6,690 63	156,458 38	135,572 58	270,230 37	239,421 06	72,191 93	581,843 36
Clinton.....	249,540 81	27,508 78	6,178 18	204,203 35	230,284 14	260,665 05	375,374 89	81,671 32	717,711 26
Crawford.....	98,324 12	500 00	1,187 46	1,767 10	32,462 94	106,122 22	25,771 80	2,347 60	134,241 62
Davess.....	210,931 21	14,572 60	4,030 11	22,429 05	117,346 93	214,129 40	153,701 50	1,479 00	369,309 90
Dearborn.....	150,610 93	16,790 39	3,617 18	2,129 15	69,987 22	140,049 49	85,779 88	17,305 52	243,134 87
Decatur.....	149,751 89	20,692 24	3,332 85	4,585 01	141,209 40	152,907 03	141,350 61	25,413 75	319,571 39
DeKalb.....	293,380 24	51,238 56	3,487 08	40,554 75	123,561 56	260,586 00	161,108 74	30,527 45	452,222 19
Delaware.....	563,297 74	48,404 53	8,196 50	455,980 17	541,049 69	516,424 17	625,946 85	475,507 61	1,617,478 63
Dubois.....	149,062 98	8,983 41	3,418 35	9,935 77	27,596 24	153,756 73	44,985 02	654 00	198,995 75
Elkhart.....	448,022 85	38,327 55	6,893 19	315,041 54	467,131 05	437,396 85	822,262 37	15,756 96	1,275,416 18
Fayette.....	142,201 70	7,997 76	2,788 98	6,704 16	111,787 62	125,472 45	144,577 68	1,430 09	271,480 22
Floyd.....	172,927 73	6,659 60	1,663 34	14,463 42	122,612 91	170,612 91	121,442 74	26,539 05	318,594 50
Fountain.....	180,621 00	19,526 26	3,442 82	41,247 28	214,336 79	183,904 57	199,806 68	73,462 90	459,174 15
Franklin.....	95,772 71	15,834 84	3,570 41	15,293 94	63,942 12	103,246 07	85,955 41	5,212 54	194,414 02
Fulton.....	153,828 14	4,774 06	5,226 82	34,333 77	134,461 17	168,360 15	132,297 92	31,965 89	332,623 96
Gibson.....	250,751 21	16,840 10	5,383 11	236,679 78	207,456 84	256,986 51	428,153 33	31,971 20	717,111 04
Grant.....	316,813 13	27,828 58	115,844 30	286,799 54	319,757 61	373,696 90	373,696 90	59,497 22	752,951 73
Greene.....	294,886 77	22,968 39	4,975 19	18,617 07	301,397 63	301,397 63	132,347 83	27,533 83	461,279 29
Hamilton.....	204,828 49	16,647 54	4,568 89	142,328 65	151,761 80	205,809 98	314,228 43	.....	520,135 37
Hancock.....	177,197 60	7,268 90	4,781 28	189,163 82	249,071 36	170,969 95	428,504 09	27,978 89	627,482 96

DISBURSEMENTS FROM TUITION AND SPECIAL SCHOOL FUNDS—Continued

COUNTIES	Total Amount Paid for Teaching and Supervision	Total Amount Paid for Transfers	Total Amount Paid for Attending Institutes	Total Amount Paid for Permanent Improvements	Total Amount Paid for Temporary Improvements, Supplies, Etc.	Total Amount Paid from Tuition Fund	Total Amount Paid from Special School Fund	Total Amount Paid from Other Funds	Total Disbursements
Harrison.....	186,531 08	1,792 56	1,645 25	4,375 35	40,156 63	169,094 32	60,864 31	4,542 24	234,500 87
Hendricks.....	198,278 62	12,976 39	7,662 43	20,160 81	282,923 28	207,461 18	207,774 04	106,766 31	522,001 53
Henry.....	253,311 78	17,643 75	5,251 22	45,022 73	222,987 34	238,858 64	284,203 73	1,154 45	544,216 82
Howard.....	325,124 85	36,686 06	4,551 61	216,369 46	248,630 47	341,877 91	409,312 79	80,171 75	831,362 45
Huntington.....	300,155 39	16,569 50	6,029 98	114,625 97	172,883 21	286,257 34	252,906 31	71,100 40	610,264 05
Jackson.....	207,368 69	15,208 68	7,084 07	64,195 57	110,022 34	210,347 29	129,748 49	63,783 57	403,879 35
Jasper.....	133,591 58	21,618 33	3,760 41	112,614 50	106,684 67	141,631 37	232,928 36	3,709 76	378,269 49
Jay.....	173,734 94	25,355 44	4,148 67	34,685 68	115,723 43	195,629 29	133,389 80	24,629 07	353,648 16
Jefferson.....	152,326 87	6,538 00	3,637 30	21,508 72	75,112 44	168,225 72	81,987 57	8,910 04	259,123 33
Jennings.....	121,295 43	8,745 03	4,022 18	32,131 94	62,524 56	129,542 88	90,325 45	8,851 11	228,719 14
Johnson.....	197,317 77	16,549 02	3,337 58	57,210 04	187,386 88	191,408 56	268,270 93	2,121 80	461,801 99
Knox.....	420,880 42	6,619 47	4,192 54	26,671 33	286,833 77	400,966 32	313,333 94	30,847 27	745,147 53
Kosciusko.....	27,188 15	27,800 01	8,471 80	133,625 11	136,814 66	253,398 24	364,301 49	.....	617,899 73
Lagrange.....	141,923 64	10,133 00	6,435 48	5,526 50	138,991 26	151,909 82	163,185 51	7,914 55	323,009 88
Lake.....	1,539,070 98	23,551 51	23,802 35	925,158 32	1,604,645 92	1,420,519 97	1,455,354 52	1,240,354 59	4,116,229 08
Laporte.....	484,834 39	18,289 56	5,299 51	119,667 66	342,947 47	430,975 46	360,981 53	129,081 60	921,038 59
Lawrence.....	266,020 98	22,199 45	5,679 98	103,528 21	330,109 71	249,357 94	165,611 85	112,568 54	527,538 33
Madison.....	565,807 77	36,799 77	17,772 89	186,791 03	307,624 33	526,852 90	524,710 87	63,232 02	1,114,795 79
Marion.....	3,352,999 54	24,628 20	24,546 85	3,243,295 36	1,713,487 83	2,512,029 55	5,728,618 04	118,310 19	8,358,957 78
Marshall.....	207,129 50	19,842 95	6,185 71	77,212 69	176,672 07	217,119 08	252,638 09	17,285 75	487,042 92
Martin.....	97,307 71	7,744 33	1,193 44	1,255 34	30,021 53	93,980 60	41,906 78	1,634 97	137,522 35
Miami.....	240,249 82	23,143 78	5,737 60	256,825 91	311,680 90	247,062 47	512,012 14	78,543 49	837,618 10
Monroe.....	228,753 38	10,443 34	4,579 30	14,032 90	103,098 08	198,747 50	159,782 80	4,379 09	360,909 09
Montgomery.....	328,686 17	10,822 42	9,082 34	106,347 59	276,536 78	302,531 46	296,115 68	133,828 16	731,475 80
Morgan.....	189,064 01	10,863 04	22,630 51	11,594 98	146,196 12	208,248 65	145,064 19	26,355 82	380,298 66
Newton.....	111,607 09	3,514 41	15,145 26	224,315 12	106,227 16	119,693 00	201,110 41	140,005 63	460,809 04
Noble.....	192,499 36	16,665 84	5,171 10	89,574 11	178,278 28	176,782 83	252,747 16	52,661 70	482,191 69
Ohio.....	29,975 80	4,443 79	698 50	493 16	7,756 20	32,954 12	10,413 33	.....	43,367 45
Orange.....	146,906 76	2,877 98	3,712 13	3,712 13	64,251 11	140,791 30	82,737 78	2,322 97	225,852 05
Owen.....	116,752 31	17,207 17	3,525 36	2,591 40	57,601 61	124,006 47	73,671 88	.....	197,677 85

COMMON SCHOOL FUND, 1922

Interest Computed from November 1, 1921 to November 1, 1922

COUNTIES	Amount Held in Trust by County, June 30, 1922	Interest from Nov. 1, 1921 to Nov. 1, 1922	Interest Fund in June Settle- ment, 1922	Interest Due in December Settlement, 1922
Adams.....	\$74,680 08	\$4,480 81	\$2,211 84	\$2,268 97
Allen.....	340,496 88	20,429 81	9,123 53	11,306 28
Bartholomew.....	101,472 22	6,088 33	3,000 59	3,087 74
Benton.....	57,111 83	3,426 71	1,700 06	1,726 65
Blackford.....	67,529 93	4,051 80	2,000 00	2,051 80
Boone.....	115,182 38	6,910 94	3,776 95	3,133 99
Brown.....	45,162 13	2,709 73	1,500 00	1,209 73
Carroll.....	69,593 68	4,175 62	1,680 63	2,494 99
Cass.....	137,700 85	8,262 05	3,981 49	4,280 56
Clark.....	116,738 33	7,004 30	3,502 15	3,502 15
Clay.....	121,065 31	7,263 92	3,519 27	3,744 65
Clinton.....	129,469 07	7,768 15	3,884 07	3,884 08
Crawford.....	50,810 30	3,048 62	1,507 09	1,541 53
Daviess.....	250,941 14	15,056 47	3,891 12	11,165 35
Dearborn.....	105,548 69	6,332 92	3,166 46	3,166 46
Decatur.....	96,895 54	5,813 73	2,906 86	2,906 87
Dekalb.....	97,361 49	5,841 69	2,203 14	3,638 55
Delaware.....	170,975 57	10,258 54	5,343 60	4,914 94
Dubois.....	82,762 85	4,965 77	2,482 88	2,482 89
Elkhart.....	175,802 99	10,548 18	5,122 62	5,425 56
Fayette.....	53,231 76	3,193 91	1,542 80	1,651 11
Floyd.....	115,628 92	6,937 74	3,380 12	3,557 62
Fountain.....	98,342 73	5,900 57	2,950 28	2,950 29
Franklin.....	85,996 12	5,159 77	3,759 86	1,399 91
Fulton.....	61,230 32	3,673 82	1,836 91	1,836 91
Gibson.....	121,731 72	7,303 90	3,651 95	3,651 95
Grant.....	214,750 79	12,885 05	6,432 17	6,452 88
Greene.....	204,294 86	12,257 69	6,000 00	6,257 69
Hamilton.....	108,360 83	6,501 65	3,250 82	3,250 83
Hancock.....	86,358 21	5,181 49	4,000 00	1,181 49
Harrison.....	115,680 91	6,940 86	2,495 00	4,445 86
Hendricks.....	131,320 39	7,879 22	3,843 02	4,036 20
Henry.....	138,837 89	8,330 27	3,549 22	4,781 05
Howard.....	124,112 73	7,446 77	3,723 38	3,723 39
Huntington.....	109,732 47	6,583 95	3,219 46	3,364 49
Jackson.....	105,059 81	6,303 59	3,000 00	3,303 59
Jasper.....	51,830 54	3,109 83	1,552 81	1,557 02
Jay.....	100,267 40	6,016 05	1,492 66	4,523 39
Jefferson.....	121,546 24	7,292 78	3,700 00	3,592 78
Jennings.....	66,962 20	4,017 73	1,682 95	2,334 78
Johnson.....	97,054 59	5,823 28	2,888 45	2,934 83
Knox.....	214,951 42	12,897 09	6,280 50	6,616 59
Kosciusko.....	136,898 01	8,213 88	4,106 94	4,106 94
Lagrange.....	62,505 15	3,750 31	1,872 71	1,877 60
Lake.....	372,442 94	22,346 58	7,935 00	14,411 58
Laporte.....	184,667 22	11,080 03	3,375 45	7,704 58
Lawrence.....	112,089 63	6,725 38	3,250 63	3,474 75
Madison.....	156,843 04	9,410 58	4,704 39	4,706 19
Marion.....	538,890 51	32,333 43	11,466 60	20,866 83
Marshall.....	93,057 56	5,583 45	3,093 36	2,490 09
Martin.....	129,306 51	7,758 39	3,000 00	4,758 39
Miami.....	133,780 59	8,026 84	3,979 89	4,046 95
Monroe.....	88,781 51	5,326 89	2,568 02	2,758 87
Montgomery.....	78,382 43	4,702 95	2,248 53	2,454 42
Morgan.....	96,968 03	5,818 08	2,469 55	3,348 53
Newton.....	37,788 96	2,267 34	1,135 38	1,131 96
Noble.....	99,438 81	5,966 33	2,962 55	3,003 78
Ohio.....	21,627 10	1,297 63	402 95	894 68
Orange.....	63,720 33	3,823 22	1,852 75	1,970 47
Owen.....	78,067 27	4,684 04	2,105 37	2,578 67

COMMON SCHOOL FUND, 1922—Continued

Interest Computed from November 1, 1921 to November 1, 1922

COUNTIES	Amount Held in Trust by County, June 30, 1922	Interest from Nov. 1, 1921 to Nov. 1, 1922	Interest Fund in June Settle- ment, 1922	Interest Due in December Settlement, 1922
Parke.....	118,144 18	7,088 65	3,472 26	3,616 39
Perry.....	73,320 69	4,399 24	2,196 62	2,202 62
Pike.....	94,763 82	5,685 83	2,796 43	2,889 40
Porter.....	77,069 70	4,624 18	2,815 30	1,808 88
Posey.....	126,124 54	7,567 47	3,783 74	3,783 73
Pulaski.....	38,069 81	2,284 19	1,108 34	1,175 85
Putnam.....	110,303 50	6,618 21	3,981 16	2,637 05
Randolph.....	144,090 66	8,645 44	4,295 28	4,350 16
Ripley.....	85,021 63	5,010 30	2,787 63	2,313 67
Rush.....	99,738 07	5,984 29	3,533 60	2,450 69
Scott.....	41,594 53	2,495 67	717 56	1,778 11
Shelby.....	130,708 48	7,842 51	3,747 89	4,094 62
Spencer.....	90,108 88	5,406 53	2,648 13	2,758 40
Starke.....	63,222 22	3,793 33	1,896 67	1,896 66
Steuben.....	62,420 63	3,745 24	1,000 00	2,745 24
St. Joseph.....	226,644 39	13,598 66	7,633 43	5,965 23
Sullivan.....	123,602 54	7,416 15	3,835 40	3,580 75
Switzerland.....	55,845 36	3,350 72	1,665 48	1,685 24
Tippecanoe.....	179,141 94	10,748 52	6,070 48	4,678 04
Tipton.....	97,847 68	5,870 86	2,636 76	3,234 10
Union.....	27,452 36	1,647 14	531 00	1,116 14
Vanderburgh.....	260,759 46	15,645 57	7,822 78	7,822 79
Vermillion.....	117,585 21	7,055 11	3,590 61	3,464 50
Vigo.....	256,772 42	15,406 35	7,048 36	8,357 99
Wabash.....	154,237 42	9,254 25	4,500 00	4,754 25
Warren.....	53,027 03	3,181 62	1,800 00	1,381 62
Warriek.....	94,514 31	5,670 86	3,000 00	2,670 86
Washington.....	81,942 67	4,916 56	2,195 05	2,721 51
Wayne.....	206,190 54	12,371 43	4,479 56	7,891 87
Wells.....	94,610 86	5,676 65	500 00	5,176 65
White.....	58,409 64	3,504 58	1,700 00	1,804 58
Whitley.....	70,361 16	4,221 67	1,944 31	2,277 36
Totals.....	\$10,933,487 15	\$656,009 23	\$305,000 61	\$351,008 62

APPORTIONMENT OF SCHOOL FUNDS FOR 1922

	January	June		January	June
Adams.....	\$13,164 78	\$16,301 40	Lawrence.....	18,303 64	23,333 52
Allen.....	59,988 70	73,828 47	Madison.....	43,189 67	52,219 53
Bartholomew.....	13,317 47	16,293 83	Marion.....	168,880 09	212,100 00
Benton.....	6,645 50	8,425 92	Marshall.....	13,398 92	16,829 12
Blackford.....	8,587 85	10,569 65	Martin.....	7,417 15	9,135 45
Boone.....	12,108 09	14,993 45	Miami.....	14,478 00	18,149 70
Brown.....	4,373 33	5,332 80	Monroe.....	16,349 08	20,646 93
Carroll.....	8,638 75	10,498 95	Montgomery.....	14,909 63	18,286 05
Cass.....	18,543 89	23,447 15	Morgan.....	10,969 97	13,556 72
Clark.....	17,016 89	20,992 85	Newton.....	5,904 40	7,448 75
Clay.....	19,649 44	23,800 65	Noble.....	11,421 96	14,420 28
Clinton.....	14,712 14	18,409 78	Ohio.....	1,860 90	2,317 95
Crawford.....	6,545 74	7,973 95	Orange.....	9,613 99	12,412 90
Daviess.....	16,727 78	20,816 10	Owen.....	7,187 08	8,764 27
Dearborn.....	10,902 78	13,587 02	Parke.....	10,684 93	13,248 68
Decatur.....	10,137 24	12,544 20	Perry.....	10,230 90	12,539 15
Dekalb.....	13,236 04	16,546 33	Pike.....	11,845 45	14,882 35
Delaware.....	33,534 96	42,119 52	Porter.....	11,713 11	14,821 75
Dubois.....	12,814 58	15,702 98	Posey.....	10,894 64	13,599 65
Elkhart.....	28,784 97	36,342 32	Pulaski.....	7,624 82	9,201 10
Fayette.....	8,205 08	10,698 43	Putnam.....	10,530 19	13,034 05
Floyd.....	18,378 97	22,808 32	Randolph.....	14,624 59	17,940 12
Fountain.....	9,994 72	12,501 28	Ripley.....	11,226 50	13,975 88
Franklin.....	8,583 78	10,675 70	Rush.....	9,512 19	11,928 10
Fulton.....	9,249 55	11,476 12	Scott.....	4,589 14	5,812 55
Gibson.....	17,654 16	22,154 35	Shelby.....	13,038 54	16,334 23
Grant.....	30,016 75	37,274 05	Spencer.....	11,183 75	13,657 72
Greene.....	22,524 27	27,974 48	Starke.....	6,816 53	8,776 90
Hamilton.....	12,480 68	15,397 45	Steuben.....	6,832 82	8,557 22
Hancock.....	8,610 24	10,640 35	St. Joseph.....	59,528 57	77,057 95
Harrison.....	11,045 30	13,781 45	Sullivan.....	18,698 62	23,777 93
Hendricks.....	10,316 41	12,420 47	Switzerland.....	4,760 17	5,804 97
Henry.....	18,678 26	23,805 70	Tippecanoe.....	21,941 97	26,403 93
Howard.....	21,909 40	27,434 13	Tipton.....	8,866 78	10,928 20
Huntington.....	16,851 97	21,091 32	Union.....	2,927 77	3,678 92
Jackson.....	14,127 80	17,581 58	Vanderburgh.....	50,967 19	64,145 10
Jasper.....	8,103 28	10,211 10	Vermillion.....	17,442 41	22,770 45
Jay.....	13,242 14	16,710 45	Vigo.....	55,682 56	70,116 73
Jefferson.....	10,379 53	13,225 95	Wabash.....	14,537 04	17,563 90
Jennings.....	7,801 95	9,569 75	Warren.....	4,943 41	6,113 02
Johnson.....	10,385 64	12,847 20	Warrick.....	12,183 42	14,632 38
Knox.....	28,634 30	35,670 67	Washington.....	9,538 66	11,615 00
Kosciusko.....	14,738 60	17,869 43	Wayne.....	25,548 37	28,812 77
Lagrange.....	7,502 66	9,423 30	Wells.....	11,804 73	14,566 73
Lake.....	93,552 16	117,157 47	White.....	9,369 67	11,963 45
Laporte.....	30,757 85	38,624 93	Whitley.....	8,655 04	11,059 50
			Totals.....	\$1,623,785 33	\$2,026,494 30

DETAILED REPORT DEFICIENCY FUND, 1921-1922

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Brown County:			
Hamblen.....	George Wilkerson.....	\$3,357 75	
Jackson.....	Wes Curry.....	4,322 33	
Johnson.....	William Bales.....	2,601 58	
Van Buren.....	Albert Hedrick.....	8,591 09	
Washington.....	Bennie Petro.....	4,471 61	
Nashville, town.....	William L. Coffey.....	7,369 23	
			\$30,713 59
Clark County:			
Wood.....	F. M. Brock.....	\$1,187 21	
			\$1,187 21
Crawford County:			
Boone.....	E. E. Parr.....	\$1,175 69	
Jennings.....	John M. McIntosh.....	2,305 25	
Johnson.....	Reuben Cox.....	2,167 23	
Ohio.....	J. P. Rainforth.....	1,516 84	
Patoka.....	Joseph T. Riley.....	2,651 53	
Sterling.....	Chas. P. Miller.....	846 90	
Union.....	Chas. E. Ford.....	3,286 99	
Whiskey Run.....	Willard Vance.....	844 70	
Alton.....	D. S. Deuchars.....	962 53	
English, town.....	Jas. A. Goodwin.....	6,739 59	
Leavenworth, town.....	Margaret Mahr.....	7,796 63	
Marengo, town.....	L. L. Jenner.....	7,103 66	
Milltown, town.....	L. E. Flannigan.....	6,152 76	
			\$43,550 30
Daviess County:			
Harrison.....	Walter Smoot.....	\$1,244 16	
Reeve.....	Rett A. Roberts.....	2,764 13	
			\$4,008 29
Dearborn County:			
Kelso.....	John A. Andres.....	\$1,305 99	
Logan.....	James W. Gaynor.....	550 21	
			\$1,856 20
Dubois County:			
Columbia.....	Chas. Seneff.....	\$7,131 46	
Hall.....	Herman Humbert.....	3,383 72	
Harbison.....	James G. Lansford.....	201 51	
Jefferson.....	Herman Cummins.....	1,923 02	
Birdseye, town.....	P. J. Hollowell.....	4,089 36	
			\$16,729 07
Floyd County:			
Lafayette.....	Geo. L. Banet.....	\$460 94	
			\$460 94
Greene County:			
Beech Creek.....	James W. Fuller.....	\$3,702 23	
Center.....	William C. Hord.....	2,943 73	
Jackson.....	Jonas Hayes.....	5,255 28	
Taylor.....	Jason Huffman.....	3,357 50	
			\$14,358 74
Harrison County:			
Boone.....	Artie Roby.....	\$7,515 11	
Blue River.....	Ade O. Stevens.....	6,840 80	
Harrison Twp. and town of Corydon.....	Dan F. Stauth.....	5,502 66	
Heth.....	Wm. H. Neely.....	8,608 30	
Jackson.....	Ed C. Sappenfield.....	3,240 26	
Morgan.....	W. E. Diedrich.....	2,092 49	
Posey.....	Wm. W. Weaver.....	6,721 60	
Scott.....	C. D. Mauck.....	3,545 85	
Spencer.....	Wm. E. Nolet.....	2,267 20	
Taylor.....	Andrew Anchutz.....	2,848 61	
Washington.....	Harry E. Trotter.....	5,447 45	
Webster.....	John H. Wolfe, Jr.....	5,161 64	
			\$59,791 97

DETAILED REPORT DEFICIENCY FUND, 1921-1922—Continued

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Jackson County:			
Owen.....	Elsworth Brown.....	\$3,048 11	
Pershing.....	W. T. McKain.....	4,673 91	
Salt Creek.....	Theodore Davis.....	5,380 56	
Crothersville, town.....	Howard R. Rider.....	4,049 49	
			\$17,152 07
Jefferson County:			
Republican.....	Laurel C. Ellison.....	\$518 58	
Saluda.....	Robert A. J. McKeand.....	3,951 17	
Shelby.....	Jas. R. Gunnion.....	1,083 46	
			\$5,553 21
Jennings County:			
Columbia.....	Henry Peardy.....	\$1,804 74	
Sand Creek.....	John N. Kane.....	1,207 40	
			\$3,012 14
Lawrence County:			
Guthrie.....	C. M. Henderson.....	\$708 15	
Indian Creek.....	John R. Smith.....	2,001 51	
Perry.....	Ellis Spoonmore.....	806 20	
Pleasant Run.....	Wm. H. Inman.....	1,001 72	
			\$4,517 58
Martin County:			
Baker.....	Isaac Webster.....	\$3,967 77	
Brown.....	Silas Crane.....	4,550 96	
Halbert.....	A. J. Hamilton.....	1,823 92	
Lost River.....	James B. Freeman.....	2,508 85	
McCameron.....	Elza Inman.....	4,520 30	
Perry.....	Bernard Gates.....	500 26	
Rutherford.....	Martin Sauerdike.....	914 40	
Shoals, town.....	A. M. Mollet.....	366 82	
			\$19,153 28
Monroe County:			
Bean Blossom.....	Dill Highes.....	\$2,661 34	
Benton.....	Michael E. Chitwood.....	2,111 31	
Clear Creek.....	J. P. Harrell.....	1,456 09	
Indian Creek.....	Helmer Byers.....	1,804 56	
Marion.....	Conner R. Hacker.....	884 23	
Polk.....	Wm. Hedrick.....	3,972 74	
Salt Creek.....	Robert Rayl.....	2,643 03	
Washington.....	Turner Wiley.....	1,415 75	
			\$16,949 05
Orange County:			
Greenfield.....	Lynden B. Roberts.....	\$2,012 09	
Jackson.....	Charles H. Denbo.....	4,006 30	
Northwest.....	John D. Toliver.....	2,478 85	
Orangeville.....	Minnie M. Wilson.....	2,324 68	
South East.....	Edward E. Vance.....	1,944 85	
			\$12,766 77
Owen County:			
Clay.....	John S. Brown.....	\$2,583 88	
Jackson.....	Bruce Davis.....	373 17	
Morgan.....	J. E. Haltom.....	535 11	
			\$3,492 16
Perry County:			
Anderson.....	Johnson Peckinpaugh.....	\$4,027 10	
Clark.....	John M. Arehart.....	10,644 79	
Leopold.....	Joseph A. Rogier.....	5,219 97	
Oil.....	J. E. Hubert.....	7,357 46	
Tobin.....	D. O. Harding.....	9,331 90	
Union.....	John J. Baysinger.....	6,960 30	
Troy, town.....	John J. Bergenroth.....	1,238 73	
			\$44,780 25

DETAILED REPORT DEFICIENCY FUND, 1921-1922—Continued

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Pike County:			
Lockhart.....	I. N. Barrett.....	\$6,725 00	
Marion.....	Samuel Pipes.....	3,493 63	
Monroe.....	Reece Burns.....	3,503 11	
			\$13,721 74
Switzerland County:			
Cotton.....	Eugene Stoops.....	\$1,182 13	
Craig.....	A. K. Smith.....	1,138 29	
Pleasant.....	W. Scott Welch.....	2,008 08	
Moorefield, town.....	Eleanor Culbertson.....	377 82	
			\$4,706 32
Spencer County:			
Carter.....	Fred Bockstahler.....	\$4,153 35	
Jackson.....	G. W. Harris.....	3,081 15	
Chrisney town.....	Chas. Franzman.....	4,100 24	
			\$11,334 74
Warrick County:			
Anderson.....	Clarence Johnson.....	\$445 83	
Hart.....	James H. Ricketts.....	3,558 37	
Lane.....	Chas. W. Dougan.....	1,913 52	
Skelton.....	J. R. Skelton.....	1,309 74	
Pigeon.....	O. E. Evans.....	6,576 52	
Owen.....	Henry T. Leslie.....	6,525 76	
Newburgh town.....	Ernest Purdue.....	4,116 13	
			\$24,445 87
Washington County:			
Franklin.....	S. B. Ashabraner.....	\$1,043 72	
Gibson.....	George R. Davis.....	3,370 11	
Howard.....	Nestle H. Voyles.....	286 10	
Jefferson.....	Wm. H. Sneed.....	458 95	
Monroe.....	John Ryan.....	2,141 84	
Posey.....	D. W. Still.....	336 26	
Hardinburg town.....	Wm. A. Hulgan.....	291 21	
Saltillo, town.....	Barney Gould.....	311 19	
			\$8,239 38
Total Disbursements.....			\$362,480 87

REPORT OF STATE TEACHERS' RETIREMENT FUND

August 1, 1921 to September 30, 1922.

BOARD OF TRUSTEES

DR. T. C. HOWE, President.
JAMES M. LARMORE, Vice-President.
FLORENCE CASE.
EBEN H. WOLCOTT.
DONALD DU SHANE.

EMPLOYEES

ESTES DUNCAN, Executive Secretary.
ROXIE REESE, Clerk.
E. K. SHUGERT, Auditor.
MARIE CONOVER, Stenographer.

The State Teachers' Retirement Fund Law has been and is, to many teachers of the state, very imperfectly understood. This is accounted for by

(1st) Its subject matter dealing with problems with which teachers are unfamiliar.

(2nd) Incorrect interpretations of the amended law.

(3rd) Customs and rulings under the old law being changed under the new.

However with all this handicap many teachers have elected to become members in addition to the beginning teachers of 1921-22 and 1922-23, who must, under the law, become members.

The unfortunate thing for many teachers of the state is the fact that they allowed the last date to elect membership to pass, and since then they are face to face with the proposition that they cannot become members.

August 1st, 1921 there were 2,850 teachers, members of the 47 local pension systems of the state; also there were 200 retired teachers. To-day there are almost 10,000 teacher members of the State Teachers' Retirement Fund with 260 annuitants.

The law as a whole is workable and with one or two amendments, we feel that it is unequalled in any of the states. The law will accomplish much for the schools of Indiana and incidentally work to the material advantage of its members.

The following report for 14 months from August 1st, 1921, when the law became effective, to September 30, 1922, includes:

1. Trial balance general ledger.
2. Cash receipts and disbursements.
3. Securities purchased and matured.

INDIANA STATE TEACHERS RETIREMENT FUND

TRIAL BALANCE—GENERAL LEDGER

August 1, 1921—September 30, 1922

DEBITS

Cash balance August 1, 1921.....		\$18,095 64	
Receipts August 1, 1921 to September 30, 1922.....	\$525,522 86		
Disbursements August 1, 1921, to September 30, 1922.....	500,116 22	25,406 64	
Cash balance September 30, 1922.....			\$43,502 28
Auditor's balance Sept. 30, 1922 \$43,458 40			
State Savings and Trust Co	43 88		
Securities—Balance August 31, 1921.....	262,232 80		
Securities bought.....	299,250 00		
		561,482 80	
Securities matured.....		167,328 00	
Balance September 30, 1922.....			394,154 80
Annuities paid teachers.....			137,876 34
Withdrawals paid teachers.....			16,021 59
Benefits paid teachers.....			9,894 68
Expenses—			
Salaries.....		9,601 32	
Traveling.....		1,346 04	
Office expense—			
Printing.....	1,506 46		
Postage.....	480 00		
Miscellaneous.....	103 30		
Telephone.....	82 86		
Express charges.....	37		
Supplies.....	12 00		
Total office expense.....		2,184 99	13,132 35
Equipment.....			487 90
Bond executive secretary.....			12 50
Arrearages and annuities paid by teachers at Aug. 1, 1921.....			161,849 58
			\$776,932 02
Teachers' contributions—			
Arrearages at September 30, 1922.....			\$410,346 43
Assessments at September 30, 1922.....			303,935 31
State taxes.....		\$57,774 36	
Less paid to City of Indianapolis.....	\$5,900 00		
Less paid to City of Terre Haute.....	820 70	6,720 70	
Balance at September 30, 1922.....			51,053 66
Interest received on investments and deposits.....			7,274 73
Interest received on arrearages.....			3,096 06
Accumulations by withdrawals.....			1,225 83
			\$776,932 02

CREDITS

CASH RECEIPTS AND DISBURSEMENTS

Fourteen Months Ended September 30, 1922

RECEIPTS

Assessments.....	\$159,929 65
Arrearages.....	114,159 88
Interest on arrearages.....	2,850 70
Interest on investments and deposits.....	17,268 37
Securities matured.....	144,328 00
State appropriation.....	16,000 00
Governor's contingent fund.....	9,500 00
Withdrawal fund.....	74 00
Expenses refunds.....	37 46
Annuity refunds.....	325 00
State taxes.....	57,774 36
Total receipts.....	\$522,256 51

DISBURSEMENTS

Withdrawals.....	\$14,869 76
Salaries.....	9,601 32
Traveling.....	1,352 04
Office.....	2,704 35
Benefits.....	9,894 68
Annuities.....	134,334 12
Interest on note.....	656 48

Arrearages.....	682 23
Interest on arrearages.....	29 25
Bond of executive secretary.....	12 50
Assessment.....	248 80
Taxes.....	6,720 70
Governor's contingent fund.....	9,500 00
Securities.....	296,250 00
Accumulated premiums on securities.....	9,993 64

496,849 87

Cash balance August 1, 1921.....	\$18,095 64
Receipts August 1, 1921 to September 30, 1922.....	522,256 51

\$540,352 15

Disbursements August 1, 1921 to September 30, 1922.....	496,849 87
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\$43,502 28

SECURITIES

September 30, 1922

Date of Issue	Character of Security	Amount
9- 8-1913-1	Red Bank Road, Perry Tp., 4½% bonds, 16 to 20, \$260 each; \$260 due Nov. 15, 1921; \$520 due Nov. 15, 1921.	\$1,300 00
3- 9-1907-3	Gibson County, Center Tp. G. R., 4½% bonds, 29 to 40, \$854 each; \$854 due Nov. 15, 1921; \$1,708 due Nov. 15, 1922 to 1927.	10,248 00
6- 3-1913-5	Knox County, Vigo Tp., F. G. R., 4½% bonds, 16 to 20; \$310 due Nov. 15, 1921; \$620 due Nov. 15, 1922 to 1923.	1,500 00
7-30-1915-9	Vanderburg County, Scott Tp., Free Mac. Road, 4½% bonds, 12 to 20, \$470 each, due Nov. 15, 1921; \$940 each, due Nov. 15, 1922 to 1925.	4,230 00
5-25-1916-10	Marshall County, Center Tp. G. R., 4½% bonds; bond No. 13 due May 15, 1923.	1,685 00
5-15-1914-7	Knox County, Drainage 5% bonds, 75 to 88, \$500 each; \$6,000 due Nov. 15, 1921; \$1,000 due Nov. 15, 1922.	7,000 00
7-15-1916-8	Fayette County, Connersville Tp., Conc. Road, 4½% bonds; No. 13-14, \$2,013.40 each; due, 1923.	4,026 80
12-29-1915-11	Vanderburg County, Union Tp., Free Mac. Road, 4½% bonds, Nos. 12 to 20, \$170 each; \$170 due Nov. 15, 1921; \$340 due Nov. 15, 1922 to 1925.	1,530 00
6-11-1916-12	Knox County, Vinc. Tp., Free Conc. Road, 4½% bonds, Nos. 29 to 31, \$1,216 each; \$2,432 due 1931; \$1,216 due 1932.	3,648 00
8- 8-1916-15	Knox County, Levee bonds, 6%, Nos. 300 to 304; 314 to 318, \$1,000 each, due Dec. 1, 1915.	10,000 00
1-15-1916-16	First Mortgage R. E. bonds, 5% Fort Wayne Lodge, L. O. M., Nos. 13 to 20, \$1,000 each; \$2,000 due 1922; \$6,000 due 1923-23.	8,000 00
7-15-1916-17	Steuben County, G. R. bonds, Nos. 12-16 to 19, 23 to 30, \$328 each; \$328 due 1922; \$328 due 1924; \$656 due 1925; \$328 due 1926; \$656 due 1928; \$656 due 1929-31.	4,264 00
1-13-1912-22	First Mtg. R. E. note, 6%, Chas. N. Korpel, due Jan. 13, 1921 (No Mtg.).	3,500 00
6-15-1916-24	First Mtg. R. E. note, 6% F. W. Keller, June 15, 1921.	1,500 00
8-16-1917-25	First Mtg. R. E. note, 5½% F. I. King, due Aug. 16, 1922.	15,000 00
11-15-1912-26	Second L. L. 1917, 4% Converted, May 15, 1919 to yield 4½% bonds, Nos. 109287 109291; due Nov. 15, 1922.	5,000 00
9-15-1917-27	Amer. Mtg. Guar. Co., R. E. Mtg. Cert., 5%, No. 6000 to 6009, \$5,000 each; due Sept. 15, 1922.	50,000 00
9- 1-1917-28	Fletcher Sav. and Tr. Co., First Mtg. R. E. Cert.	25,000 00
9-15-1917-29	Union Trust Co., First Mtg. R. E. Cert., 5%, 71 to 95, \$1,000 each; due Sept. 15, 1922.	25,000 00
9-14-1917-30	Amer. Mtg. Guar. Co., Robt. D. Coburn Loan, 8 at \$1,000 each; due Sept. 14, 1922.	8,000 00
9-15-1917-31	Union Trust Co., First Mtg. R. E. Cert., 5%; 20 at \$1,000 each; due Sept. 15, 1922.	20,000 00
6-28-1917-32	Lake County, St. John Tp., Stone Road bonds, 11 to 20, \$650 each, 4½%; \$1,300 due 1923 to 1927.	6,500 00
6-28-1917-33	Lake County, Calumet Tp., State Road bonds, 4½%, Nos. 19 to 40, \$625 each; \$2,500 due 1923 to 1927.	13,125 00
3-28-1917-3	First Mtg. Note, 5%, Lawr. Hoover; \$7,200 due March 28, 1922.	7,200 00
2-19-1918-35	U. S. War Sav. Cert., 12716647-14633066 to 72; 14633039-12716580 due Jan. 1, 1923.	826 00
9-15-1918-36	U. S. L. L., 4½% Reg. bonds, 125514 to 23, \$500 each; due Sept. 15, 1928.	5,000 00
11- 1-1916-37	Corn Belt Mtg. and Loan Co., 6%; \$1,500 each; due Nov. 1, 1921.	1,500 00
11- 2-1916-38	Corn Belt Mtg. and Loan Co., 6%; \$1,500 due Nov. 1, 1921.	1,500 00
5-10-1917-39	Farmers Nat. Mtg. Co., 5%; \$5,500 due May 10, 1922.	5,500 00
5-11-1917-40	Corn Belt Mtg. and Loan Co., 6%; \$5,600 due May 11, 1922.	5,600 00
5-20-1919-41	Victory L. L. Conv. Gold Bonds (Notes), 13347 to 51, 4½%.	5,000 00
42	Liberty Loan 2nds, 4½%; date Nov. 15, 1921 to May 3, 1922.	75,000 00
6- 1-1921-43	City of Muncie School Bonds, 42 at \$1,000 each, due June 1, 1926; 9 at \$500, due June 1, 1926.	46,500 00
Dec. 2, Int.	\$285.00.	
9- 1-1921-44	City of Muncie School Bonds, 19 at \$500, due Sept. 1, 1926; 8 at \$1,000, due Sept. 1, 1926.	17,500 00
Dec. 2, Int.	\$135.00.	
45	City of Kokomo School Bonds.	6,000 00
Dec. 2, Int.	\$240.00.	
46	City of Crawfordsville School Bonds.	1,000 00
Dec. 2, Paid	\$1,000.00; Int. \$260.00.	
47	St. Joe County, Clay Tp. School Bonds.	2,000 00
Dec. 2, Int.	\$20.00.	

SECURITIES—Continued

Date of Issue	Character of Security	Amount
7- 1-1922—48	City of Indianapolis Dstc., 4½% bonds; \$3,000 due Jan. 1, 1924; \$15,000 due Jan. 1, 1925 to 1927; \$2,000 due Jan. 1, 1928.....	20,000 00
8-15-1922—49	Tipton County Lib. Tp. Conc. Road 5% bonds, Nos. 3 to 20, \$3,125 each; due May 15, 1924 to Nov. 15, 1932.....	56,250 00
	Dec. 2, Int. \$180.00.	
12- 1-1921—53	City of Kokomo 6% School Bldg. Bonds; 5 at \$1,000 each; due Dec. 1, 1926.....	5,000 00
	Dec. 2, Int. \$150.00.	
5- 1-1922—51	Delaware County School Twp., 5% School bonds; \$3,000 due July 1, 1926; \$4,000 due July 1, 1927; \$4,000 due July 1, 1929.....	11,000 00
8-15-1922—52	Lake County, North Tp., 5% G. R.; 56 bonds at \$1,000 each, due May 15, 1929 to Nov. 15, 1932.....	56,000 00
Securities on hand at Aug. 1, 1921, and securities purchased Aug. 1, 1921 to Sept. 30, 1922.....		\$558,482 80
Deduct securities matured.....		164,328 00
Securities in hands of State Treasurer.....		\$394,154 80

SECURITIES MATURED

Date Matured	Description	Amount
11-22-1921—	Red Bank Road, Perry Tp.....	\$26,000 00
5-18-1922—	Red Bank Road, Perry Tp.....	26,000 00
11-22-1921—	Gibson County, Center Tp. G. R.....	854 00
5-18-1922—	Gibson County, Center Tp. G. R.....	854 00
11-22-1921—	Knox County, Vigo Tp., F. G. R.....	310 00
5-18-1922—	Knox County, Vigo Tp., F. G. R.....	310 00
11-22-1921—	Knox County, Drainage.....	6,000 00
11-22-1921—	Vanderburgh County, Scott Tp., F. Mac. Road.....	470 00
5-18-1922—	Vanderburgh County, Scott Tp., F. Mac. Road.....	470 00
11-22-1921—	Vanderburgh County, Union Tp., F. Mac. Road.....	170 00
5-18-1922—	Vanderburgh County, Union Tp., F. Mac. Road.....	170 00
6-14-1922—	First Mtg. R. E. Bonds, Fort Wayne Lodge, L. O. M.....	2,000 00
1-26-1922—	Chas. N. Korpel 1st Mtg. R. E. Note.....	3,500 00
1-17-1922—	F. W. Keller 1st Mtg. R. E. Note.....	1,500 00
1-15-1922—	Amer. Mtg. Guar. Co., R. E. Mtg. Cert.....	50,000 00
9-15-1922—	Fletcher Sav. and Trust Co., 1st Mtg. R. E. Cert.....	25,000 00
11-23-1921—	Union Trust Co., 1st Mtg. R. E. Cert.....	20,000 00
9-15-1922—	Union Trust Co., 1st Mtg. R. E. Cert.....	5,000 00
9-15-1922—	Amer. Mtg. Guar. Co., 6% Notes.....	8,000 00
9-15-1922—	Union Trust Co., 1st Mtg. R. E. Cert.....	20,000 00
4- 8-1922—	Lawrence Hoover, 1st Mtg. Note.....	7,200 00
3-13-1922—	Corn Belt Mtg. and Loan Co., 6% Note.....	1,500 00
6-14-1922—	Farmers Nat'l Mtg. Co., 5% Note.....	5,500 00
10-10-1921—	Victory L. L. Gold Notes, Nos. 13347-51.....	5,000 00
Total securities matured.....		\$164,328 00

REPORT OF THE STATE HIGHWAY COMMISSION

COMMISSIONERS

CHARLES W. ZEIGLER, Chairman, Attica, Ind.
ALVAN V. BURCH, Vice-Chairman, Evansville, Ind.
EARL CRAWFORD, Connersville, Ind.
WALTER G. ZAHRT, Fort Wayne, Ind.

JOHN D. WILLIAMS, Director.

In presenting my report for the year ending September 30, 1922, I wish to call particular attention to a few of the outstanding activities.

This year 139.8 miles of road was added to the State Highway system. The most important of these roads being:

Bloomington to Nashville;
Angola to Lagrange;
Evansville to Mt. Vernon;
West Baden to Shoals;
Westfield to Lebanon;
Madison to Scottsburg;
Brazil to Clay City and Jasonville to Linton.

Despite these additions, I am pleased to report a substantial decrease in the total cost of maintenance for the year, due first, to the operation of a scientific budget by roads and sections, which has served as a guide in our program for the year. This budget carried approximately \$3,000,000, but on account of reduced prices and reduced freight rates we were able to accomplish the work planned for \$2,470,000. We also demonstrated that it costs less to keep a road in condition by constant maintenance, after it has been placed in good condition, than to reclaim it after it begins to show weakness. Maintenance cost on the older roads of the system was less this year.

By our system of cost we expect to determine in a few years the roads that can no longer be economically maintained with gravel or macadam surface, and when they should be hard surfaced to accommodate the travel they are required to carry.

In answer to a growing demand from the public for information regarding the condition of the state roads, a plan was adopted of publishing a weekly road bulletin. This bulletin is published on Saturday and Sunday of each week by the leading newspapers of the state, and gives comprehensive information concerning routes, detours and condition of the various state roads.

Among the important rulings adopted was that in regard to drainage ditches crossing state roads, which reads as follows:

"It is the belief of the State Highway Commission that Section 27 of the state highway law makes it impossible for the State Highway

Commission to spend any of the state highway funds for the removal, repair, enlarging, construction or reconstruction of any bridge or culvert, made necessary by the crossing or encroaching upon the right-of-way of any state highway with dredge ditches or other public or private drainage projects, or for any other purpose, and that the Director shall not give his permission for any such crossing or encroachment until satisfactory arrangements have been made for replacing the highway in as good condition as previous to its being disturbed, which replacement shall be done at the expense of the person or persons in whose behalf such permit is given, and in accordance with the standards of the Highway Commission under their supervision and without cost to them."

Another ruling of importance adopted, pertained to the removal of advertising signs from state highways, which reads:

"Whereas, We believe the great number of advertising signs along the roadsides are unsightly and destroy the usefulness and protection, to the traveling public, of the traffic signs which are and will be erected.

Therefore, Be It Resolved, That on or before July 1, 1922, all advertising signs shall be removed from the right-of-way of the State Highway Commission by their owners, and no signs of any kind shall from this date be placed on the right-of-way without written permission of the State Highway Commission, and the Director shall give the above ruling publicity throughout the state through the press, chambers of commerce, etc."

We encountered very little opposition in enforcing this order and now the roads of our system are practically cleared of advertising signs of all descriptions. This action has increased the effectiveness of our traffic signs and has the general approval of the public. Traffic signs already placed by our forces are the beginning of what we hope will become an adequate system of marking.

Of particular interest, on account of its far-reaching effect, is the special findings of facts and the conclusion of law, as handed down by the Hancock County Court in the suit caused by the State Highway Commission widening the Brookville Road to its original width of 48 feet against the consent of a local property owner, who, together with his predecessors, had encroached upon the right-of-way for more than thirty years. The findings are:

"1. That the law is with the defendants and the plaintiff is not entitled to recover on his complaint and to have an injunction against defendants enjoining them from taking possession of the highway running through plaintiff's lands described in the complaint, and removing plaintiff's fences located within the forty-eight (48) feet established as a highway, and grading and improving such highway through said lands to said width of forty-eight (48) feet.

2. That plaintiff and his predecessors in title gained no rights by encroaching upon the public highway by erecting their fences within it, and the plaintiff is not entitled to recover damages from the defendants for removing such obstruction nor to enjoin them from removing the obstructions."

In view of the fact that our statutes do not provide for the assessment of benefits to property abutting on state highways, we feel that our policy of requesting donation of necessary right-of-way for improvements is justified, and I am pleased to report that with but few exceptions, "elsewhere listed," right-of-way has been provided either by owners, or communities most benefitted by the improvement.

In order to facilitate the work of the department a loader and screen, built to conform with ideas of the commission, was purchased. With this piece of equipment a better graded road material is made available and the cost of loading is reduced to a minimum. Other valuable equipment in the way of six road rollers, twenty concrete mixers, two portable rock crushers, two air compressors with rock drill attachments, and a pavement testing core drill, were purchased. The last named machine has been the means of securing for the public a guarantee that all pavements are built to their specified thickness. We have loaned this machine to the State Board of Accounts for use in their investigations, and have offered it to the counties for their use in testing pavements constructed by them without state supervision. The popularity of the core drill is attested by the favorable comments appearing from time to time in the press.

State supervision of county contracts has received general approval, and we have had 54.8 per cent more applications for this service during the year covered by this report than the preceding year. The increase in mileage over 1921 is 53.9 per cent. Now that our system of inspection is understood, we are receiving better co-operation from officials and contractors. The total of inspection charges is accordingly reduced, and we feel that a better quality of work is being performed.

From information at hand it seems that 90 per cent of the entire construction program will be completed before the end of the calendar year. That we will complete such a large percentage in the face of railroad strikes is due to the co-operation of our Public Service Commission, the railroads and the interurban companies, and the fact that the contractors were required to store 20 per cent of the cement required. Owing to the fact that contracts for a large percentage of work were awarded early, which allowed sufficient time to have equipment on the ground, plants erected, and preliminary grading done, contractors were enabled to begin work on the first day of paving weather during the season. All contracts awarded early in the year will undoubtedly be completed before the end of the present construction season, which convinces us that it is advantageous to the state for the contractors and material concerns to have contracts awarded early, and to require the storage of materials to be held in reserve, and used only when it is impossible to get rail shipments. Upon the recommendation of our chief engineer, it is our intention to award contracts as early as possible in 1923, and to require the contractors to store 30 per cent of the cement and 20 per cent of the aggregates before the actual construction season arrives.

The advantage gained by the state purchasing cement for our contracts has already been mentioned, and in addition to advancing the work, this policy has proved of great convenience to the contractor, and

we believe better bids were received. Since the highway departments of neighboring states are contracting for cement in advance, it is necessary, if we expect to finish our work, that we also know when, and from whom our cement is to be secured. Accordingly we hope to be able to contract for our needs before our construction contracts are let.

Elsewhere in this report, I am submitting the statement of federal aid apportioned by the Federal Government, and Indiana's apportionment therefrom, from which it will be seen that in addition to the balance of \$6,140,017.46 available on September 30, 1922, there is apportioned for 1923, \$1,305,904.00; 1924, \$1,697,927.00; 1925, \$1,958,855.00. That Indiana may be in a position to avail herself of these apportionments within a period of five years, it will be necessary for the legislature to provide at least \$3,000,000 state funds annually for expenditures on federal aid projects. This amount of state funds will enable us to carry on a construction program of \$6,000,000 annually, one-half of which will be borne by the Federal Government.

That our system of maintenance, which is so popular with the taxpayers of the state, may not be curtailed, I am pleased to recommend that the funds for the expenditure of at least \$3,000,000 be provided annually for this purpose. The 7 per cent system provided for in the Federal Aid Act, November, 1921, makes possible the addition of approximately 1,600 miles to the present system of state highways, and a map embodying such additions has been presented to the Bureau of Public Roads for their approval. It is our belief that the total mileage, amounting to approximately 4,900 miles, can be adequately maintained from this amount.

Please note that the cost of administration amounted to \$43,537.83, and that there was expended by the Equipment Division on the upkeep and purchase of equipment, \$795,565.34. With a program for the maintenance and construction of roads as outlined above, it will be necessary to have a fund of at least \$50,000 for administration and \$1,000,000 for the Equipment Division, in order that both may function properly.

In conclusion, I would ask most earnestly that our work be accelerated to the place it deserves by provision of ample funds.

REPORT OF DIVISION OF AUDIT

LEROY F. WERTZ, Chief Clerk.

It is the duty of this division to keep and supervise the keeping of accounts of the State Highway Commission. The different divisions keep their equipment records and cost accounts which accounts must be in balance with the Controlling Account kept under the personal supervision of the auditor.

The net receipts for this year were \$5,939,143.98; reimbursements, \$1,015,720.85, making gross receipts of \$6,954,864.83, which with the 1921 unexpended balance of \$1,334,155.16, made a total fund of \$8,289,019.99. From this fund total disbursements amounting to \$6,491,815.94 were made, leaving an unexpended balance of \$1,797,204.05. The amount expended by divisions follows:

Administration Division	\$ 43,537.83
Construction Division	3,182,335.85
Maintenance Division	2,470,376.92
Equipment Division	795,565.34

In the above distribution all capital expenditures, right-of-way and court costs are charged to the different divisions. For a detailed analysis, I refer you to the financial statement, budget classification and recapitulation elsewhere in this report.

In the recapitulation you will note that the supervision charge is \$230,863.10, this amount being only 3.55 per cent of the total amount of \$6,491,815.94, expended for the year.

The total engineering cost for the year on federal aid roads amounts to 2.58 per cent of the contract payments made during the year, while on state aid roads the engineering cost is 6.10 per cent of the contract payments. On county aid roads the engineering cost ranges from .053 per cent on a contract amounting to \$147,843.00 to 6.47 per cent on a contract of \$7,300.00, proving that the cost of engineering varies inversely as the amount of the contract.

Engineering includes both salaries and expenses for surveys, plans and inspection.

The total engineering cost for the year on federal aid structures is 7.32 per cent of the value of the work done, while on state aid the engineering cost is 10.04 per cent of the value of the work done. This difference is due to the fact that federal aid structures are, as a rule, larger than state aid structures, and the percentage of engineering costs is usually greater on smaller structures. For instance, the engineering cost for the year on the Attica bridge, the largest completed during the season, was only 1.51 per cent of the work done.

The cost of testing materials used in the construction of federal and state aid roads is .386 per cent of the total estimates for the fiscal year; on county aid the per cent is .368, while on bridges it is .450 per cent.

The cost of the blue printing (which included the cost of the material only) amounts to \$2,104.71; while the sale of the prints amounts to \$2,594.81. Even with the addition of a small labor charge to the above cost, the economy of making our own prints is proven.

The average expenditures per mile of road for maintenance this year is \$500.54.

Herewith is submitted the federal aid statement of September 30, 1922, showing the apportionments by year to date and the apportionments for the years 1923, 1924 and 1925. This statement is followed by a financial statement. Detailed statements of receipts and disbursements and different accounts, exhibits of the different divisions as taken from the Controlling Account. A budget classification (as recommended by the State Board of Accounts) and recapitulation are also submitted.

FEDERAL AID STATEMENT, SEPTEMBER 30, 1922.

Federal Aid apportioned Indiana by year from 1917 to 1922, inclusive:

1917	\$ 135,747 62
1918	271,495 24

1919	1,756,149 60
1920	2,564,846 88
1921	2,687,053 27
1922	1,958,855 41

Total\$9,374,148 02

Federal Aid apportioned Indiana, by year for 1923, 1924 and 1925 (estimated) :

1923	\$1,305,904 00
1924	1,697,927 00
1925	1,958,855 00

Total aid apportioned Indiana	\$9,374,148 02
Amount received to 9-30-22.....	2,753,534 70
Amount earned not received.....	480,595 86
Amount available not earned	6,140,017 46

Balance available 6,620,613 32

Aid apportioned prior to 11-9-21.....	7,415,292 61
Aid apportioned 1922 appropriation.....	1,958,855 41

Total aid apportioned Indiana.....	9,374,148 02
Amount under project agreements.....	5,258,348 20

Amount to be placed under agreement prior to 6-30-23.....	2,156,944 41
Amount to be placed under agreement prior to 6-30-24.....	1,958,855 41

Balance to be placed under agreements..... 4,115,799 82

Total aid apportioned Indiana.....	9,374,148 02
Amount under <i>Project</i> Agreement.....	5,258,348 20
Amount under <i>Statement</i> not yet under Project Agreement..	3,660,024 80

Total obligated 8,918,373 00

Balance \$455,775 02

FINANCIAL STATEMENT

September 30, 1921—September 30, 1922.

Balance, Sept. 30, 1921.....	\$1,334,155 16
Receipts	6,954,864 83

Total \$8,289,019 99

DISBURSEMENTS

Administration	\$ 42,146 23
Construction	3,166,455 86
Maintenance	2,398,366 50
Equipment	747,188 05
Capital Expenditures	130,949 03
Right of Way	6,575 10
Court Costs	135 17

6,491,815 94

Total funds available Sept. 30, 1922..... \$1,797,204 05

RECONCILIATION

Auditor of State's Highway Fund balance, Sept. 30, 1922.....	\$1,860,712 12
Outstanding checks (Revolving Fund)	63,508 07
Balance	\$1,797,204 05

RECEIPTS

State tax	\$2,050,024 64
Auto license fees	2,854,506 94
Inheritance tax	798,387 64
Depository interest—Revolving Fund	647 16
Truck rental	12,650 62
Sales—Non-usable equipment and supplies.....	218,275 76
Sale—Plans and blue printing.....	2,594 81
Interest—City of Greenfield bonds.....	321 27
Special discount on motor transport equipment.....	363 00
Certified copies—Bonds	3 00
Miscellaneous sales	1,369 14
Total	\$5,939,143 98

REIMBURSEMENTS

Federal aid	\$821,912 91
County aid	20,262 36
Freight (advanced)	47,052 82
Cement sacks	83,788 24
City of Greenfield on acct. improv. S. A-1.....	10,093 65
Freight and express	855 85
Telephone and telegraph	2 15
Freight audit	15 93
Refund on tar bbls.	1,650 67
Right of way	400 00
Joint construction	24,458 00
Truck repairs	3,530 44
Refund—F. A. projects.....	941 28
Duplicate payments—(invoices)	448 10
Pay-roll adjustments	308 45
Total	\$1,015,720 85
Total receipts and reimbursements.....	\$6,954,864 83

ADMINISTRATION

Commissioners' per diem.....	\$5,650 00
Commissioners' expense	4,271 76
Director's salary	6,000 00
Director's expense	910 93
Chief clerk's salary.....	3,410 74
Clerical assistants' and stenographers' salaries.....	10,692 00
Postage	2,059 86
Telephone and telegraph.....	2,381 90
Stationery and printing supplies.....	6,095 22
Miscellaneous supplies	254 64
Miscellaneous expense	409 18
Freight audit	10 00
Total	\$42,146 23

CONSTRUCTION

General—	
Chief engineer's salary.....	\$4,006 00
Bridge engineer's salary.....	4,000 00
Field assistants' salaries.....	77,094 59

Office assistants' salaries.....	51,085 93	
Testing bureau salaries.....	11,269 91	
Testing bureau expense.....	3,680 73	
Traveling expense	25,484 44	
Blue printing	2,104 71	
Supplies and repairs.....	2,213 87	
Miscellaneous freight and express.....	107 19	
Advertising	1,721 49	
Workmen's compensation	398 74	
Cement	628,125 11	
Paint	393 22	
Miscellaneous expense	181 70	
Construction by state forces (F. A. Proj.).....	58,654 69	
Total general		\$870,516 32
Contract Payments—		
F. A.—Roads	\$1,820,908 25	
F. A.—Bridges	241,397 56	
S. A.—Roads	47,731 20	
S. A.—Bridges	169,322 06	
Total contract payments.....		\$2,279,359 07
County aid (to be reimbursed by counties).....		16,580 47
Total construction		\$3,166,455 86

MAINTENANCE

General—		
Superintendent's salary	\$5,000 00	
Traveling expense	424 02	
Temporary employes' salaries.....	1,533 00	
Temporary employes' expense.....	378 32	
Clerical assistants' and stenographers' salaries.....	8,391 77	
Freight, express and demurrage.....	1,695 55	
Workmen's compensation	4,591 05	
Contract payments	49,375 92	
Advertising	314 86	
General expense	169 73	
Total general		\$71,874 22

MAINTENANCE DIVISION

DISTRICT AND SUB-DISTRICT	District Engineer		District Superintendent		Payroll	Stone	Gravel	Cement	Bituminous Macadam	Lumber
	Salary	Expenses	Salary	Expenses						
CRAWFORDSVILLE.	\$965 83	\$222 50	\$1,646 77	\$115 80	\$49,002 97	7,747 28	8,003 42			449 30
			1,800 00	319 28	53,609 66	17,825 95				710 09
			750 00	91 73	19,530 01	21,535 57	294 94			520 63
			1,558 03	170 98	46,255 36	9,640 39	18,860 38	86 00	763 43	2,063 09
			1,752 42	365 00	21,828 80	7,224 44	4,637 71		1,043 02	627 99
FR. WAYNE.	\$2,400 00	\$530 36	1,800 00	70 49	37,040 40	40,225 18	15,887 47		1,100 38	587 92
			687 50	112 26	7,164 07		2,100 00		464 18	74 51
			1,689 24	210 03	40,315 07		10,455 71		165 03	358 49
			1,800 00	153 20	24,176 36	426 05	23,053 45	162 50	174 56	651 49
			1,575 00	147 81	23,979 16	2,920 06	7,852 83		665 70	408 11
GREENFIELD.	2,400 00	603 59	1,500 00	607 37	29,822 12	910 17	21,363 97		319 02	1,001 98
			750 00	71 38	17,952 17	145 25	1,529 53	777 50	473 51	604 77
			1,675 00	286 15	38,737 88	10,156 72	17,523 79		367 54	2,207 87
			1,800 00	121 94	39,835 72	6,486 55	9,707 10	512 00	2,147 54	2,378 48
			687 50	125 01	12,474 93	1,068 20	2,076 66	266 16		238 02
			250 00	23 92	6,847 75	1,935 20	2,835 75			396 46
			266 12	43 54	8,087 48	8 00	1,136 25			55 06
			1,127 42	262 12	13,535 26	7,676 32	3,759 22			588 96
			925 00	274 23	25,884 91	8,888 09	22,933 30	302 58	579 96	1,290 53
MONTICELLO.	2,400 00	552 51	1,800 00	139 12	21,351 96	27,791 21	2,469 02		5,437 61	398 17
			1,800 00	273 21	36,732 74	26,728 64	27,814 78		331 60	1,454 50
			1,762 50	103 92	27,246 20	3,060 55	11,349 27	118 13	197 32	618 00
			1,575 00	211 85	28,813 48	20,454 81	4,572 06	40 80		299 73
			1,800 00	234 71	23,601 38	35,544 81	7 69		437 84	579 40

MAINTENANCE DIVISION—Continued

District and Sub-District	District Engineer		District Superintendent		Payroll	Stone	Gravel	Cement	Bituminous Macadam	Lumber
	Salary	Expenses	Salary	Expenses						
SEYMOUR.....	2,400 00	633 15								
Aurora.....			1,650 00	249 18	35,815 30	25,588 92	3,886 66	498 00	281 61	2,199 18
Bloomington.....			687 50	45 17	35,918 11	11,027 47	1,573 76		344 09	869 95
Columbus.....			1,765 00	252 88	32,229 38	13,881 67	7,539 37	632 50	160 38	718 33
New Albany.....			1,585 08	254 44	34,970 32	32,661 70	435 95	1,332 63	1,478 54	1,491 36
Seymour.....			1,451 61	84 14	40,927 67	8,679 03	12,195 16	670 50	121 26	1,418 40
Martinsville.....			1,050 00	209 28	13,418 31	17,572 07	350 71		210 14	599 17
(Discontinued)										
VINCENNES.....	2,400 00	492 99								
Dale.....			1,575 00	181 98	20,626 99	7,453 95	4,803 66	560 10		1,171 70
Evansville.....			687 50	183 65	17,366 78	4,629 56	9,171 45	440 30	249 71	470 01
Linton.....			691 67	116 73	20,768 01	8,619 61	4,551 62		165 77	250 65
Paoli.....			1,573 33	134 41	32,543 31	36,580 80	4,307 70	112 50	95 61	1,712 75
Vincennes.....			1,800 00	353 50	42,500 71	20,783 10	23,154 35	506 00	258 31	2,800 06
Princeton.....			962 50	207 52	15,806 25	8,140 41	15,079 22			2,070 87
(Discontinued)										
General Total.....	\$12,965 83	\$3,035 13	\$48,256 69	\$6,707 93	\$969,819 77	488,803 34	325,101 86	7,018 20	18,033 66	34,335 98

MAINTENANCE DIVISION—Continued

DISTRICT AND SUB-DISTRICT	Other Materials	Culverts	Gas and Oil	Tools and Light Hardware	Auto Expenses	General Expenses	Handling Cost	Total
CRAWFORDSVILLE.....								
Crawfordsville.....	520 45		75 00	\$555 22	\$630 42	\$456 30		\$1,263 33
Fowler.....	322 81		12,626 05	292 97	1,579 65	481 98		81,753 98
Greencastle.....	180 93		10,793 42	227 62	135 37	157 10	\$6,858 71	121,306 97
Lebanon.....	1,457 95	869 50	3,328 59	706 79	432 38	838 22	2,697 62	97,440 11
Terre Haute.....	223 20	210 00	14,069 63	167 00	853 91	341 74	5,307 93	97,762 13
			9,553 55					54,026 71
FT. WAYNE.....			35 00					2,965 36
Ft. Wayne.....	636 39		15,049 04	888 43	1,726 77	574 01	1,224 89	116,801 37
Goshen.....	32 53		754 96	177 06	1,166 76	79 40		11,813 23
Kendallville.....	650 28	521 80	12,764 07	333 58	1,448 50	874 47	55 24	69,841 51
Wabash.....	113 76	3,106 04	9,106 96	231 23	1,714 10	349 79		65,249 49
Warsaw.....	109 83		7,717 18	145 03	252 25	311 20		46,084 16
GREENFIELD.....			30 00					3,033 59
Anderson.....	421 43	1,150 40	8,829 15	302 76	413 63	689 75		67,331 75
Cambridge City.....	118 95	955 46	3,437 29	232 16	146 59	133 40		27,327 96
Greenfield.....	622 99	817 50	14,403 74	248 88	859 64	599 70	803 40	89,312 80
Indianapolis.....	1,019 68	830 60	9,609 22	473 52	131 85	317 70		75,373 90
Muncie.....	31 45	426 78	230 03	20 68	91 22	34 51		17,771 15
Portland.....	93 96		455 32	33 63	31 93	25 95		12,939 17
Tipton.....			794 66	69 62	21 40	117 27		10,590 40
Conersville.....	221 45	555 48	6,961 09	423 07	249 60	380 13		35,740 12
(Discontinued)								
Winchester.....	172 91	1,307 02	11,667 66	835 49	787 33	292 55	3,245 87	79,387 43
MONTICELLO.....								3,042 19
Laporte.....	14 65		75 00					67,872 98
Monticello.....	285 03		6,648 46	400 85	405 70	745 85		105,844 57
Plymouth.....	467 61		9,464 21	286 62	1,101 59	369 17		55,265 01
Rensselaer.....	266 26	92 80	8,642 49	457 25	864 80	485 62		65,819 74
Valparaiso.....	280 20	530 20	7,186 89	148 09	514 37	714 65	477 71	73,299 14
	201 53	336 21	7,975 56	299 64	1,478 78	801 59		

MAINTENANCE DIVISION—Continued

DISTRICT AND SUB-DISTRICT	Other Materials	Culverts	Gas and Oil	Tools L. T. Hardware	Auto Expenses	General Expenses	Handling Cost	Total
SEYMOUR.....	4,800 00	.....	.....	.....	17 43	.....	.....	7,850 58
Aurora.....	492 70	.....	14,627 08	738 51	1,012 11	969 62	1,242 40	89,251 27
Bloomington.....	141 93	694 20	3,945 07	86 88	103 28	222 70	.....	55,660 11
Columbus.....	453 47	.....	8,495 54	433 42	637 31	521 90	1,122 34	68,843 49
New Albany.....	625 94	578 50	8,244 34	445 74	603 84	494 26	4,352 59	89,555 23
Seymour.....	707 64	756 59	11,035 10	551 96	724 01	1,098 92	56 10	80,478 09
Martinsville.....	255 87	62 50	7,190 14	136 08	356 72	273 60	5,678 52	47,363 11
(Discontinued)								
VINCENNES.....	4,800 00	.....	.....	.....	32 50	.....	.....	7,725 49
Dale.....	195 72	73 40	4,696 41	260 70	599 60	322 07	.....	42,521 28
Evansville.....	139 47	1,365 00	3,729 78	743 88	706 96	130 10	.....	39,914 15
Union.....	110 57	.....	3,311 30	111 08	106 75	137 18	.....	38,940 94
Paoli.....	291 59	852 24	7,984 99	267 97	253 00	58 85	5,627 52	92,396 57
Vincennes.....	266 89	.....	11,156 78	929 09	1,590 46	538 37	.....	106,637 62
Princeton.....	52 38	.....	7,140 53	378 28	883 99	382 15	.....	51,104 10
(Discontinued)								
Total General.....	\$21,810 40	\$16,092 22	\$283,641 28	\$13,061 78	\$23,646 50	\$15,320 87	\$38,840 84	\$2,398,366 50

EQUIPMENT DIVISION

Salary of chief.....	\$2,925 00
Clerical assistants' and stenographers' salaries.....	3,693 00
Traveling expense—Chief	748 85
Traveling expense—Truck repair men.....	2,132 07
Cars and trucks expense.....	332,946 31
Payroll	90,177 71
Tools and hardware.....	3,369 70
Tires and tubes.....	105,665 05
Freight and express.....	186,658 52
Light, heat, power, water, etc.	6,727 73
Miscellaneous expense	3,532 92
Gasoline and oil.....	8,601 99
Workmen's compensation	9 20
Total	\$747,188 05

CAPITAL EXPENDITURES

General

Furniture and Fixtures.....	\$1,427 10
Construction Department Equipment.....	2,612 57
Testing Laboratory Equipment.....	3,060 18
Construction Department—Road Roller.....	4,169 29
Lumber.....	1,954 31
Ford Cars.....	7,023 87
Buick Car.....	875 28
Hupmobiles.....	2,460 00
Hydraulic Hoists.....	29,680 35
Dump Trucks.....	175 00
Grinding Machine.....	4,459 00
Miscellaneous Garage Equipment.....	1,578 81
Total General.....	\$59,475 76

Maintenance—Road Equipment.

Crawfordsville	
Crawfordsville District.....	\$3,988 60
Crawfordsville Sub-district.....	1,737 05
Fowler.....	1,357 11
Greencastle.....	1,070 24
Lebanon.....	2,338 99
Terre Haute.....	1,180 93

Ft. Wayne

Ft. Wayne District.....	299 61
Ft. Wayne Sub-district.....	1,488 77
Goshen.....	1,011 41
Kendallville.....	1,287 63
Wabash.....	1,935 75
Warsaw.....	854 18

Greenfield

Greenfield District.....	299 61
Greenfield Sub-district.....	2,470 20
Anderson.....	1,786 72
Cambridge City.....	1,557 37
Indianapolis.....	3,190 87
Muncie.....	513 96

Monticello

Monticello District.....	3,988 60
Laporte.....	1,051 81
Monticello Sub-district.....	1,094 74
Plymouth.....	585 88
Rensselaer.....	1,075 63
Valparaiso.....	1,666 98

Seymour

Seymour District.....	8,276 82
Aurora.....	3,420 17
Bloomington.....	2,997 90
Columbus.....	1,230 51
New Albany.....	1,733 91
Seymour Sub-district.....	1,769 23

CAPITAL EXPENDITURES—Continued.

Vincennes		
Vincennes District.....	3,988 60	
Dale.....	790 82	
Evansville.....	670 17	
Linton.....	185 10	
Paoli.....	1,254 00	
Vincennes Sub-district.....	2,056 07	
Discontinued		
Connersville.....	1,354 12	
Martinsville.....	858 40	
Princeton.....	653 33	
Winchester.....	2,401 48	
		<u>\$71,473 27</u>
Total Capital Expenditures.....		\$130,949 03

GENERAL POSTINGS

Right of Way.		
F. A. 6B..... Putnam County.....	\$3,136 75	
F. A. 6C 29..... Putnam County.....	550 20	
F. A. 6D..... Vigo County.....	1,000 00	
F. A. 16A..... Lawrence County.....	101 00	
F. A. 16C..... Warrick County.....	250 00	
F. A. 28 A. & B..... Gibson County.....	1,000 00	
S. A. 13..... Henry.....	443 02	
S. A. 13..... Delaware County.....	19 13	
S. A. 17C..... Noble and Dekalb Counties.....	25 00	
S. A. 34A..... Dearborn and Franklin Counties.....	50 00	
Total Right of Way.....		<u>\$6,575 10</u>
Vernon Perry vs. State of Indiana.		
Judgment.....	\$45 00	
Court Costs.....	9 10	
Witness Expenses.....	56 07	
		<u>\$110 17</u>
Wm. Krumme vs. State of Indiana.		
Attorneys Fees.....	25 00	<u>135 17</u>
Total.....		\$6,710 27
Total Disbursements.....		\$6,491,815 94

COSTS

Structures Not Awarded Prior to September 30, 1922

STATE AID STRUCTURES

Project	Section	Structure	County	Sites Surveyed	Plans Partially Completed	Plans Complete	Type	Span	Engineering Costs Chargeable to Structures			
									During Fiscal Year Ending 9-30-22			Total Engineering Costs to 9-30-22
									Salary	Expense	Total	
S. A. 3	K	37	Marion.....	1		1	Garage.....	1 @ 30' 0"	\$60 92	.....	\$60 92	\$198 11
S. A. 4	P	151	Jackson.....	1			R. C. Girder.....	1 @ 30' 0"	152 46	\$22 50	174 96	174 96
S. A. 5	C	142	Davies.....	1		1	R. C. Girder.....	1 @ 30' 0"	143 58	18 56	162 14	162 14
S. A. 5	C	143	Davies.....	1		1	R. C. Girder.....	1 @ 30' 0"	233 78	23 05	256 83	256 83
S. A. 5	C	143a	Davies.....	1		1	R. C. Box.....	1 @ 5' 6"	27 40	.....	27 40	27 40
S. A. 5	C	144	Davies.....	1		1	R. C. Slab.....	1 @ 16' 0"	77 96	9 70	87 66	87 66
S. A. 6	G	75	Marion.....	1				1 @ 16' 0"	1 94	.....	1 94	9 17
S. A. 9	E	127	Warren.....	1	1		R. C. Arch.....	1 @ 65' 0"	50 64	33 83	84 47	84 47
S. A. 9	E	128	Warren.....	1	1		R. C. Slab.....	1 @ 18' 0"	24 00	11 47	35 47	35 47
S. A. 10	H	102	Sullivan.....	1		1	Steel Truss.....	1 @ 31' 6"	201 04	32 70	233 74	233 74
S. A. 10	H	91	Vermilion-Parke..	1				1 @ 31' 6"	75 33	30 28	105 61	105 61
S. A. 12	C	139	Greene.....	1		1	R. C. Slab.....	1 @ 16' 0"	177 64	13 82	191 56	191 56
S. A. 13	B	83	Henry.....	1		1	R. C. Arch.....	1 @ 72' 0"	111 37	.....	111 37	255 74
S. A. 13	C	57	Delaware.....	1		1		1 @ 72' 0"	3 01	.....	3 01	37 04
S. A. 13	C	95	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0"	60 55	29 79	90 34	90 34
S. A. 13	D	96	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0"	56 03	24 81	80 84	80 84
S. A. 13	D	97	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0"	37 34	21 83	59 17	59 17
S. A. 26	H	43	Jefferson.....	1	1		R. C. Arch.....	1 @ 60' 0"	154 17	40 38	194 55	204 25
S. A. 30	A	138	Greene.....	1		1	R. C. Slab.....	1 @ 16' 0"	115 69	17 32	133 01	133 01
S. A. 32	B	134	Owen.....	1				1 @ 16' 0"	59 17	25 37	84 54	84 54
S. A. 32	B	135	Owen.....	1		1	R. C. Slab.....	1 @ 12' 0"	77 96	24 19	102 15	102 15
S. A. 32	B	147	Owen.....	1		1	R. C. Slab.....	1 @ 20' 0"	98 64	7 25	105 89	105 89
S. A. 32	B	148	Owen.....	1		1	R. C. Slab.....	1 @ 12' 0"	2 05	1 75	3 80	3 80
S. A. 32	C	136	Putnam.....	1				1 @ 12' 0"	41 52	19 57	61 09	61 09
S. A. 32	C	146	Putnam.....	1				1 @ 12' 0"	46 94	70	47 64	47 64
S. A. 33	A	84	Warren.....	1	1		Plate Girder.....	1 @ 35' 0"	323 46	80 47	403 93	403 93
S. A. 33	A	150	Warren.....	1	1		R. C. Arch.....	1 @ 35' 0"	.....	3 90	3 90	3 90
S. A. 34	B	41	Franklin.....	1	1		R. C. Arch.....	1 @ 60' 0"	195 09	.....	195 09	270 59
S. A. 34	C	40	Fayette.....	1		1	R. C. Girder.....	1 @ 28' 0"	27 67	.....	27 67	168 62
S. A. 37	D	93	Delaware.....	1		1	R. C. Slab.....	1 @ 16' 0"	65 72	9 15	74 87	74 87
S. A. 37	D	94	Delaware.....	1		1	R. C. Girder.....	1 @ 30' 0"	120 30	9 15	129 45	129 45
S. A. 37	D	133	Madison.....	1	1		R. C. Slab.....	1 @ 14' 0"	75 09	8 45	83 54	83 54

S. A. 42	D	152	Floyd.....	1	1	.....	Wd. Blk. Flr.....	1 @ 43' 0"	\$6 73	\$23 98	\$30 71	\$30 71
S. A. 42	D	153	Floyd.....	1	1	.....	Wd. Blk. Flr.....	1 @ 33' 6"	21 60	24 85	46 45	46 45
S. A. 42	D	154	Floyd.....	1	1	.....	Wd. Blk. Flr.....	1 @ 43' 0"	9 30	25 71	35 01	35 01
S. A. 49	C	108	Lake.....	1	1	.....	Steel Truss.....	1 @ 40' 0"	47 19	20 86	68 05	68 05
S. A. 49	C	110	Lake.....	1	.....	.....	.....	.....	8 40	9 25	17 65	17 65
			Totals.....	36	11	18	.....	.....	\$2,991 68	\$624 74	\$3,616 42	\$4,165 39

RECAPITULATION

CLASSIFICATION	Administration	Advertising	Contract Payments	Labor and Material	County Aid	Miscellaneous	Total
Administration.....	42,146 23						\$42,146 23
Construction.....	147,450 43	\$1,721 49	\$2,279,359 07	\$718,948 83	\$16,580 47	\$2,395 57	\$3,166,455 86
Maintenance.....	31,728 07	314 86	49,375 92	2,316,947 65			2,398,368 50
Equipment.....	7,366 85			739,821 20			737,188 05
Capital Expenditures.....						130,949 03	130,949 03
Right-of-Way.....						6,575 10	6,575 10
Court Costs.....	135 17						135 17
Total.....	\$228,826 75	\$2,036 35	\$2,328,734 99	\$3,775,717 68	\$16,580 47	\$139,919 70	\$6,491,815 94
Supervision		Other Classification					
Administration.....	228,826 75	To be reimbursed—County Aid.....					
Advertising.....	2,036 35	Cars Purchased.....					
		Hydraulic Hoists Purchased.....					
		Maintenance Equipment.....					
		Construction Equipment.....					
		Miscellaneous Equipment and Supplies.....					
		Right-of-Way.....					
Construction and Maintenance							
Contract Payments.....	2,328,734 99						16,580 47
Labor and Material.....	3,775,717 68						10,359 15
	\$6,104,452 67						29,680 35
							71,473 27
							9,842 04
							11,989 79
							6,575 10
							\$156,500 17

Supervision Charges—3.55% of total \$6,491,815 94 or 3.78% of Construction and Maintenance..... \$6,104,452 67

REPORT OF THE DIVISION OF CONSTRUCTION

C. GRAY, Chief Engineer.

During the fiscal year, this department has completed the contracts on all sections of roads carried over from the preceding year, and early in the calendar year awarded contracts for hard surfaced roads, to the extent of approximately 117 miles, about 70 per cent of which was completed by September 30, 1922. It is anticipated that about 90 per cent of the entire program will be completed at the end of the calendar year.

The National Road east of Indianapolis will be completed and open to traffic from Indianapolis to the Ohio State Line by the end of the present construction season. It is not likely that all projects on the National Road west will be completed this season. We have every reason to believe, however, that they will all be completed, except Federal Aid Project 6-C, east of Mount Meridian. This will make necessary a short detour around approximately two miles of the National Road.

In addition to this, we will have a gap at Reelsville, where we are completing the grade for new location, which eliminates the famous Reelsville Hill and two very dangerous grade crossings on the Pennsylvania Railroad. The old roadway has remained intact, and can be used during the construction of this cut-off. It will be necessary, however, at the west end of this section, to detour around about 4,000 feet of the new grade where it ties into the Old National Road. It will be possible, however, for traffic to pass over the new grade when frozen.

A short gap has been left out at Putnamville, as well as one between Seeleyville and Terre Haute, where we contemplate two grade separations to be constructed during the season of 1923. These gaps will be maintained by the Maintenance Department until such time as construction work is started.

Considering all conditions, very good progress has been made on a very difficult piece of construction between Gary and Michigan City. One section known as Federal Aid Project 31-B, will undoubtedly be completed this season. We only anticipate the completion of about 40 per cent of the paving and possibly 80 per cent of the grading, of the other section of this project, known as Project 31, Section A. This section is one of the most difficult sections, and presented the greatest engineering problems of any section we have ever attempted to contract. About three miles of this section was constructed through a marsh, the fill being placed under from two to three feet of water. After awarding the contract, we secured additional information relative to high water and found that it would be necessary to raise the fill two feet. This was the principal cause for the delay in the construction of this project. This entire project, from Michigan City to Gary, will be approximately seven miles shorter than any other improved road between Michigan City and Gary, and when completed will not cross any railroad at grade between the cities named. All present routes have from fifteen to twenty grade crossings with railroads and traction lines.

You will note in this report that engineering and inspection costs have been very much reduced on projects that have been completed dur-

ing the one season, this being caused by much more rapid progress in construction work.

With reference to the preparation of plans and making of surveys, our costs have varied somewhat from those of the previous years, but the total cost per mile is practically the same. Surveys have increased in cost due to the topography of the sections in which the surveys have been made.

The cost of the preparation of plans has been reduced, due to the more efficient handling of their preparation in the office, and with the use of some partially prepared and specially printed sheets, which reduced the amount of time required for the making of the plans.

After making a careful inspection of all projects completed up to the end of the last construction season, that is 1921, we realized that more attention must be given to the smoothness of surface of our hard surfaced roads, and during the present construction season, a special effort was made to obtain a smoother riding surface. This was done by checking every foot of the green concrete with an eight-foot straight edge as soon as finished. All pavement was again checked when the entire project was completed, and contractors required to correct all variations in excess of one-quarter of an inch under an eight-foot straight edge, by bush hammering and dressing down the high portions. As a result of this, we have secured much smoother pavements during the present season than any constructed heretofore by this department.

The Commission purchased during the year of 1921, a machine for the purpose of coring and determining accurately the depth of pavement. This machine is mounted on a truck and transported from one project to the other in this manner.

By means of this machine, we are enabled to cut plugs or cores from the pavement at any point desired. The cores cut are four inches in diameter and the full depth of the pavement. The holes are plugged with concrete plugs of the same quality as the pavement, cast in the laboratory and cured, prior to the coring of such pavements. All pavements built by the state, and county pavements over which we have supervision, are cored before the final estimate is paid. To date, 95 per cent of our cores have not varied in excess of one-quarter of an inch under the specified depth, and in only one case on state work, and one case on county work, have we had the cores to show a depth of pavement deficient as much as one inch.

In these cases, as well as in any other, where we should find that this condition exists, the contractor will receive no payment for such section. The cores are taken at intervals of 1,000 feet along the pavement, and where a serious deficiency of concrete is shown, additional cores are taken in order to determine the limits of such deficiency. The stations at which the cores are taken, are not determined until the core machine arrives on the job, in order that no one may know beforehand where the cores are to be taken. This method of testing our pavements, gives us a check on both the workmanship of the contractor and the work of our inspectors.

It is a protection to the honest contractor and honest inspector, as well as to the taxpayer.

We have had the co-operation of practically all contractors in our attempt to secure pavements with better riding qualities and better workmanship.

All concrete pavements built during the present season were constructed seven inches at the edges and eight inches at the center. The commission has changed the design, however, to a slab of uniform depth of eight inches throughout. All tests and experience have convinced us that all pavements should be of the same design at the edges as at the center.

ROAD DEPARTMENT]

SUMMARY—FEDERAL AID PROJECT DATA

September 30, 1922.

Project No.	Project Statement		Agreements		Paid To Date	Final Amount Paid
	Total Estimate	F. A. Approved	Total Estimate	Federal Aid		
1						\$127,694 74
2						93,633 99
3						149,416 80
4						170,915 78
5						18,626 22
6	\$56,642 23	\$23,186 53	\$1,337,373 77	\$638,813 47	\$191,320 71	89,500 07
7						150,676 28
8	53,899 13	9,874 64	207,025 87	103,411 03	103,411 03	66,713 24
9						149,441 59
10	116,612 94	48,902 60	652,419 06	331,097 40	143,547 81	
11						
12						
13	108,091 13	39,184 59	1,311,836 87	666,815 41	249,066 81	
14		2,962 33	177,661 35	88,830 67	47,999 43	
15			676,281 63	300,766 76	59,322 48	
16	525,992 72	274,324 64	1,681,487 02	779,415 23	543,065 73	
17	923,802 42	452,088 71	691,822 58	345,911 29	202,878 00	
18	83,620 08	14,645 32	345,379 92	185,354 68	132,342 57	
19	222,046 00	111,023 00				
20						18,700 00
21	1,716,437 69	802,218 85	183,562 31	91,781 15		
22	214,225 00	107,112 50				
23	425,546 00	212,773 00				
24	1,002,485 00	501,242 50				
25						4,843 76
28	38,906 86	11,622 19	376,755 64	188,377 81	12,418 91	
29	256,650 67	128,325 34	287,849 33	143,924 66		
30						14,015 25
31	224,902 51	112,451 26	580,572 49	290,286 24	13,983 50	
32	199,100 00	99,550 00				
33	51,929 92	25,964 96	98,770 08	49,385 04		
34	480,920 00	240,460 00				
35	287,375 00	143,687 50				
36	260,815 50	130,407 75				
37	28,600 00	14,300 00				
38	114,235 00	57,117 50				
40	639,694 00	319,847 00				
41	22,660 00	11,330 00				
42	863,183 20	431,591 60				
Total...	\$8,918,373 00	\$4,326,194 31		\$4,204,170 48	\$1,699,356 98	\$1,054,177 72

FEDERAL AID ROADS
PLANS AND SURVEYS FROM SEPTEMBER 30, 1921, TO SEPTEMBER 30, 1922.

Project	Section	County	Miles Surveyed 1922	Survey Costs		Miles Plans Prepared	Plans Cost	
				Salary	Expense		Total	Per Mile
6	A-4	Vigo and Clay.....					\$114 82	
6	B-4	Clay and Putnam.....			\$6 98		33 58	
6	C-4	Putnam.....					26 85	
6	D-4	Vigo.....					66 82	
10	B	St. Joseph.....	0.498			0.498	6 45	\$12 95
13	B-4	Hancock and Henry.....			14 11		46 15	
13	C-4	Henry.....					17 31	
13	D-4	Henry.....					27 37	
16	C-4	Warrick and Spencer.....					344 59	
16	D-4	Spencer.....		\$982 72	332 55		6 30	
16	H-10	Orange.....					229 09	
16	J-10	Dubois.....					175 42	
16	K-10	Dubois.....					807 44	114 20
16	L	Vanderburgh.....				7.070	60 33	
19	A-1	Perry.....					224 99	
19	B-2	Perry.....					31 05	
21	A-4	Jackson.....					5.613	
21	D	Scott.....					9.200	
21	E-3	Scott.....					5.844	
21	B	Franklin.....					184 36	31 54
22	B-4	Washington.....	19.770	1,407 66	1,066 82		251 00	82 03
23	C-4	Hamilton.....			125.16		52 25	
24	C-4	Hamilton.....			1 84		2 73	
24	E-4	Tipton.....					28 33	
24		Hamilton.....					72 33	
28		Vanderburgh and Gibson.....					155 33	62 16
29		Gibson and Knox.....				2.502	75 00	
30	4	Noble.....					329 05	41 83
31	A	Lake.....	7.867			7.867	763 05	64 92
31	B	Porter.....	11.752	446 66	257 65	11.752	106 38	30 82
31	C	Porter and Laporte.....						
31	D	Lake.....	2.007	26.66	26.25	2.007		
31	A	Lake.....	1.003			1.003		
32	Ideal B	Lake.....	1.524			1.524		
32	C	Lake.....	2.530	172 76	25 40	2.530	630 80	124 74
32		Lake.....			115 27		2 530	
33		Elkhart.....	3.972		83 48	3.972	3 14	18 41

34	A-5	Spencer.....	158 06	.....	.....	2 330	150 23	64 47
34	BX-5	Spencer.....	.....	.....	.....	4 582	258 42	56 40
34	BY-5	Spencer.....	.....	.....	.....	4 659	241 26	51 78
34	C-5	Spencer.....	.....	.....	.....	4 441	223 76	50 38
35	B	Sullivan.....	158 06	.....	.....	3 260	54 11	16 00
35	C-10	Sullivan.....	.....	.....	.....	.....	9 13	.....
38	6	LaPorte.....	.....	.....	.....	6 077	204 45	33 64
40	A-7	Marion-Boone.....	.....	.....	.....	11 513	455 81	39 59
40	B	Boone.....	.....	.....	.....	.....	519 80	.....
42	9	Crawford.....	.....	.....	.....	.....	6 82	.....
		Total.....	55 163	\$3,302 58	\$1,930 38	\$94 86	\$7,416 29	\$66 48

NOTATIONS

- 1 Plans revised from S. A. 14-A
- 2 Plans revised from S. A. 14-B
- 3 Surveyed as S. A. 39-F (Same as F. A. 22-B)
- 4 Revision of original plans.
- 5 Surveyed as S. A. 16
- 6 Surveyed as S. A. 2
- 7 Surveyed as S. A. 6-H
- 8 Surveyed as S. A. 6-I
- 9 Surveyed as S. A. 16
- 10 Plans partially prepared.

FEDERAL AID ROADS

FROM SEPTEMBER 30, 1921, TO SEPTEMBER 30, 1922

Project	Section	Type	Contract Price	Final Estimate Paid	Total Amount of Estimates in Fiscal Year	ENGINEERING COSTS—CHARGEABLE TO PROJECTS					Per Cent
						Surveys and Plans		Engineering and Inspection		Total	
						Salary	Expense	Salary	Expense		
6	A	Concrete	\$265,777 10	11-17-21	\$64,904 28	\$114 62		\$514 59	\$15 43	\$644 64	0.99
6	B	Grading	42,744 93		39,107 67	38 58	\$6 98				
6	B	Concrete	109,300 94		74,202 46			2,461 71	233 17	2,740 44	2.42
6	B	Concrete	Awarded and tabulated with 6-C Concrete.								
6	C	Grading	81,968 15		81,649 72	26 85					
6	C	Concrete	90,566 33		55,535 29						
6	C	Brick	217,717 62		38,857 98						
6	D	Concrete	64,563 82		54,261 70	66 82		4,402 08	611 14	5,040 07	2.86
7		Concrete	179,127 90	1-25-22	57,078 14			1,296 30	248 66	1,611 78	2.97
9	A	Concrete	288,397 45	1-3-22	16,858 16			676 69	30 33	707 02	1.24
10	A	Concrete	274,419 97	12-11-21	79,061 11	6 45		434 92	23 07	457 99	2.72
12	B	Concrete	210,377 60	12-1-21	89,702 05			565 03	65 08	636 56	0.805
13	A	Concrete	230,063 27	12-19-21	46,398 95			182 43	23 50	205 93	0.23
13	B	Concrete	184,233 86		157,236 34	46 15	14 11	502 61	132 99	635 60	1.37
13	C	Concrete	148,177 16		138,546 34	17 31		2,241 18	369 04	2,670 48	1.70
13	D	Concrete	123,499 84		112,886 48	17 31		2,019 63	401 10	2,438 04	1.76
14		Concrete	147,908 10		52,840 29			1,877 41	354 16	2,248 88	1.99
15	A and B	Concrete	271,589 64		204,422 75			481 87	108 38	590 25	1.12
16	A	Concrete	444,355 62	3-18-22	137,140 72			3,158 80	402 87	3,561 67	1.74
16	B	Concrete	432,497 37	2-24-22	101,633 48			1,279 49	198 12	1,477 61	1.08
16	C	Grading	62,307 55		52,115 42	27 27		1,147 19	190 76	1,337 95	1.33
16	C	Surface	236,844 13					1,874 48	653 25	2,555 00	4.90
16	E	Grading	83,934 10	2-2-22	16,611 84			295 50	40 64	336 14	2.02
16	F	Grading	131,755 05		47,014 25			1,182 09	348 09	1,530 18	3.26
17	A	Concrete	373,156 38	3-7-22	3,454 79			533 71	166 51	700 22	20.30
17	C	Concrete	156,027 41		65,607 54			1,385 80	258 76	1,644 56	2.51
18	A	Concrete	243,363 34		60,618 86			1,154 26	239 32	1,393 58	2.30
18	B	Concrete	97,898 28	11-10-21	2,392 68			133 60	33 68	167 28	7.00
21	A	Culverts	11,026 01	9-15-22	12,189 00	31 05		579 28	202 45	812 78	6.67
28	A and B	Concrete	183,824 44		60,973 46	72 53		1,457 40	447 83	2,077 76	3.40
30		Concrete	44,118 60	3-16-22	44,452 64	75 00		689 91	106 04	870 95	1.96
31	A	Concrete	178,390 77		101,191 75	329 05		1,185 23	365 73	1,880 01	1.86
31	B	Concrete	206,145 81		137,978 49	1,209 71	257 65	1,369 14	184 59	3,021 10	2.19
31	C	Concrete	89,568 77		28,325 20	106 38		507 58	93 06	707 02	2.50

FEDERAL AID ROADS—Continued.

Project	Section	Type	Contract Price	Final Estimate Paid	Total Amount of Estimates in Fiscal Year	ENGINEERING COSTS—CHARGEABLE TO PRODUCE S						Per Cent
						Surveys and Plans		Engineering and Inspection		Total		
						Salary	Expense	Salary	Expense			
22	A and B	Concrete.....	71,686 25	.....	17,731 70	803 56	115 27	299 00	42 34	1,260 17	7.12
32	B	Concrete.....	99,715 25	.....	1,390 40	.....	25 40	76 00	37 64	139 04	10.0
33	.....	Concrete.....	58,755 03	.....	1,370 63	73 14	83 48	478 85	115 06	750 53	54.8
35	B	Concrete.....	54,940 53	.....	1,750 00	54 11	.....	259 52	60 05	373 68	21.4
		Total.....	.....	.....	\$2,257,302 56	\$3,115 89	\$502 90	\$36,703 28	\$6,802 84	\$47,124 91	2.07

NOTE—Cost of Cement not included.

CONTRACT PAYMENTS ON FEDERAL AID ROADS

RECONCILIATION OF THIS DIVISION WITH THE DIVISION OF AUDIT

F. A. 6A.....	\$36,379 82	
F. A. 6B.....	16,355 61	
F. A. 6B (Cut Off).....	5,323 54	
F. A. 6B and C.....	18,510 68	
F. A. 6C Grading.....	11,890 97	
F. A. 6C Paving.....	21,809 28	
F. A. 6D.....	14,811 37	
F. A. 7.....	31,077 91	
F. A. 8A.....		\$24,759 81
F. A. 9A.....		27,777 17
F. A. 10A.....	17,758 16	
F. A. 12B.....	63,026 01	
F. A. 13A.....	5,298 06	
F. A. 13B.....	47,343 46	
F. A. 13C.....	37,203 36	
F. A. 13D.....	33,231 82	
F. A. 14.....	7,071 94	
F. A. 15A and B.....	52,578 62	
F. A. 16A.....		28,219 95
F. A. 16B.....		33,683 06
F. A. 16C.....	5,211 54	
F. A. 16E.....		3,883 60
F. A. 16F.....	4,701 42	
F. A. 17A.....		36,418 28
F. A. 17C.....	17,962 79	
F. A. 18A.....	6,061 89	
F. A. 18B.....		8,969 28
F. A. 21A.....	111 37	
F. A. 28A and B.....	15,315 79	
F. A. 31A.....	41,100 79	
F. A. 31B.....	45,770 84	
F. A. 31C.....	24,671 15	
F. A. 32A.....	16,651 70	
F. A. 32B.....	1,850 40	
F. A. 33.....	1,370 63	
F. A. 35B.....	744 52	
Total.....	\$600,195 46	\$163,711 15
Construction Division.....		\$2,257,392 56
		163,711 15
		2,421,103 71
		600,195 46
Division of Audit.....		\$1,820,908 25

Estimates above made previous to Sept. 30, 1921, but paid after Oct. 1, 1921, are added, while estimates above made previous to Sept. 30, 1922, but paid after Oct. 1, 1922, are deducted, because of the fact that an estimate is never considered paid by the Division of Audit until the warrant is issued to cover same.

STATE AID ROADS

PLANS AND SURVEYS FROM SEPTEMBER 30, 1921 TO SEPTEMBER 30, 1922

Project	Section	County	Miles Surveyed 1922	Survey Costs		Miles Plans Prepared	Plans Cost	
				Salary	Expense		Total	Per Mile
2	E-1	Laporte	6.077	\$349 98	\$438 24			
6	H-2	Marion and Boone	14.221	423 00	387 00			
6	I-3	Boone	8.309	240 76	214 15			
10	A-7	Vanderburgh				0.200	\$117 27	
10	H-9	Sullivan	6.247	91 94	30 72			
10	L	Vermilion	0.200	11 71	7 92	0.200	41 22	\$206 10
14		Perry	2.467	234 17	204 83			
14	H-6	Crawford and Orange					136 22	
15	A-1	Cass	0.170	9 84	1 20	0.170	23 47	138 05
16	4	Spencer and Crawford	47.250	2,029 78	1,836 20			
16	L-7	Vanderburgh					21 47	
17	7	Noble			55 00			
39	F-5, 7	Franklin	9.395	78 57	55 98			
43	A-8	Laporte	4.645	963 56	920 83			
50	E	Marshall	1.174	43 12	12 35			
52	6	Martin and Orange	8.370	855 00	951 55			
53	A	Perry	12.121	498 00	370 00	7.691	289 47	37 63
53	B	Perry	3.752	156 15	116 31	3.752	69 80	18 60
		State Reformatory Road	1.760		23 00			
Total			126.058	\$5,985 58	\$5,625 28	12.013	\$698 92	\$58 18

NOTATIONS

- 1 Plans as F. A. 38
- 2 Plans as F. A. 40-A
- 3 Plans as F. A. 40-B
- 4 Plans as F. A. 34
- 5 Plans as F. A. 22

- 6 Plans partially prepared
- 7 Relocation
- 8 Plans as F. A. 31-C
- 9 Plans as F. A. 35-B

STATE AID ROADS

ENGINEERING—FROM SEPTEMBER 30, 1921 TO SEPTEMBER 30, 1922

Project	Section	Type	Contract Price	Total Paid Contractor in Fiscal Year	Engineering and Inspection Chargeable to Projects		Total	Per Cent
					Salary	Expense		
10	H&I*	Structures....	\$24,433 70	\$6,688 50	\$390 49	\$60 22	\$450 71	6.7
14A	I-7	Grading.....	38,626 26	35,281 83	1,408 44	372 16	1,780 60	5.0
15	A-1*	Brick.....	10,196 15	10,222 26	262 99	70 42	333 41	3.2
34	C-1*	Concrete**....	6,765 35	6,490 50	244 19	104 91	349 10	5.3
Total.....			\$80,021 46	\$58,683 09	\$2,306 11	\$607 71	\$2,913 82	4.0

*Project completed this year.

**\$5,106.66 paid by Fayette County.

CONTRACT PAYMENTS ON STATE AID ROADS

RECONCILIATION OF THIS DIVISION WITH THE DIVISION OF AUDIT

S. A. Project.....10-H and I.....	1,034 13	
S. A. Project.....14-A.....		4,775 49
S. A. Project.....15-A1.....		7,210 53
Total.....	\$1,034 13	\$11,986 02
Construction Division.....		\$58,683 09
		1,034 13
		59,717 22
		11,986 02
Division of Audit.....		\$47,731 20

Estimates above made previous to Sept. 30, 1921, but paid after Oct. 1, 1921, are added, while estimates above made previous to Sept. 30, 1922, but paid after Oct. 1, 1922, are deducted, because of the fact that an estimate s never considered paid by the Division of Audit until the warrant is issued to cover same.

COUNTY AID PROJECTS

PROGRESS REPORT

Project	Section	COUNTY	Type	Total Length Miles	Contract Awarded	Completed Sept. 30, 1921 to Sept. 30, 1922	Total Per Cent Completed
8		Howard	Concrete	1,600			
17		Marion	Concrete	2,690	5-6-19	19.6	100
19		Marion	Concrete	2,760	2-10-19	50.96	100
29		Delaware	Bit. Macadam	0,400	9-27-19		38.31
47		Morgan	Tarvia Macadam	0,510	1-6-20	0.5	100
49		Hamilton	Concrete	1,610	9-27-19	22.8	100
54	A	Noble	Concrete	2,510	4-8-21	Not started	
54	B	Noble	Concrete	0,775	4-8-21	Not started	
55		Noble	Concrete and Gravel	8,980	4-8-21	61.9	61.9
56	A	Noble	Concrete	2,530	4-8-21	63	100
56	B	Noble	Concrete	3,000	4-8-21	100	100
63		Clinton	Concrete	3,660	2-9-21	49.7	100
64		Vanderburgh	Concrete	5,670	4-27-22	9.6	9.6
65		Vanderburgh	Concrete	1,270	4-17-22	15.7	15.7
66		Vanderburgh	Concrete	5,730	Not awarded		
67		Vanderburgh	Asphalt	2,000	3-6-22	9.7	9.7
70		Monroe	W. B. Macadam	1,969	5-4-21	87.3	100
71		Miami	Asphalt Concrete	1,800	4-6-21	100	100
72		Clinton	Brick	3,913		100	100
75		Vanderburgh	Bit. Macadam	3,270	5-4-22	10.58	10.58
77		Clinton	Concrete	0,985		100	100
78		Pulaski	Gravel	1,000	3-2-20	100	100
80		Floyd	W. B. Macadam	2,520		Not started	
81		Crawford	W. B. Macadam	16,500	10-3-21	100	100
86		Spencer	Gravel	3,832	6-6-22	Not started	
87		Spencer	Gravel	1,267	6-6-22	Not started	
89		Noble	Concrete	0,356	2-15-22	Not started	
90		Noble	Concrete	1,600	2-15-22	100	100
91		Floyd	Gravel	2,000	6-24-22	29	29
92		Floyd	W. B. Macadam	5,140		Not started	
94		Clinton	Concrete	11,156	2-9-21	60.9	60.9
95		Lawrence	W. B. Macadam	1,823	11-7-21	12.3	12.8
100		Greene	Stone	5,791		Not started	
103		Wabash	Asphalt	0,776	4-4-22	100.00	100
104		Boone	Concrete	1,552	8-8-16	Not started	
105		Hamilton	Concrete	2,536	2-16-21		
106	A	Bartholomew	Concrete	2,700	10-25-16	Not started	
106	B	Bartholomew	Concrete	1,700	10-25-16	Not started	
108		Wabash	Ky. Rock Asphalt	2,710	3-7-22	100	100
109		Spencer	Gravel	3,780	6-6-22	Not started	
110		Spencer	Gravel	10,100	2-7-22	Not started	
111		Spencer	Gravel	6,750	2-7-22	Not started	
112		Howard	Asphalt	2,000	5-4-22		
115	A	Noble	Concrete	2,035		Not started	
115	B	Noble	Concrete	4,500		Not started	
115	C	Noble	Concrete	2,640		Not started	
Total				154,396			

COUNTY AID PROJECTS

INSPECTION COSTS

Project No.	Section	COUNTY	Type	Contract Price	Date Completed	Inspection	
						Total Cost	Per Cent
8		Howard	Concrete	\$47,000 00	***		
17		Marion	Concrete	97,000 00	10- 4-21	\$3,244 71	3.23
19		Marion	Concrete	106,240 00	10-20-21	2,753 03	2.59
29		Delaware	Bit. Macadam	14,700 00	***		
47		Morgan	Tarvia Macadam	16,730 00	10-13-21	604 22	3.48
49		Hamilton	Concrete	75,000 00	11-22-21	1,246 75	1.66
54	A	Noble	Concrete	97,170 00	**		
54	B	Noble	Concrete	29,551 00	***		
55		Noble	Concrete and Gravel	153,319 00	***		
56	A*	Noble	Concrete	84,731 00	6-30-22	887 09	1.04
56	B*	Noble	Concrete	88,935 00	***	432 92	0.48
63		Clinton	Concrete	145,078 68	10-26-21	1,645 57	1.13
64		Vanderburgh	Concrete	196,350 00	***		
65		Vanderburgh	Concrete	46,600 00	***		
67		Vanderburgh	Asphalt	86,515 82	***		
70		Monroe	W. B. Macadam	23,520 00	7-31-22	1,371 21	5.82
71		Miami	Asphalt Concrete	72,290 00	11-21-21	1,349 50	1.86
72		Clinton	Brick	147,843 00	10- 8-21	370 67	0.053
75		Vanderburgh	Bit. Macadam	77,412 00	***		
77		Clinton	Concrete	38,000 00	12-13-21	509 15	1.33
78	*	Pulaski	Gravel	7,300 00	9-23-22	472 37	6.47
80		Floyd	W. B. Macadam	33,007 21	**		
81		Crawford	W. B. Macadam	41,400 00	9- 2-22	966 30	2.33
86		Spencer	Gravel	52,921 00	**		
87		Spencer	Gravel	15,639 00	**		
89		Noble	Concrete	26,400 00	**		
90	*	Noble	Concrete	48,561 89	9-30-22	671 47	1.38
91		Floyd	Gravel	22,223 92	***		
92		Floyd	W. B. Macadam	70,000 00	**		
94		Clinton	Concrete	376,364 00	***		
95		Lawrence	Stone	13,000 00	***		
100		Greene	Stone	48,000 00	***		
103	*	Wabash	Asphalt	29,780 00	8-31-22	160 14	0.53
104		Boone	Concrete	26,495 00	**		
105		Hamilton	Concrete	91,121 00	***		
106	A	Bartholomew	Concrete	42,494 00	**		
106	B	Bartholomew	Concrete	25,494 00	**		
108	*	Wabash	Ky. Rock Asphalt	51,000 00	9-30-22	182 35	0.35
109		Spencer	Gravel	43,188 00	**		
110		Spencer	Gravel	87,947 00	**		
111		Spencer	Gravel	39,439 00	***		
112		Howard	Asphalt	74,000 00	***		
115	A	Noble	Concrete	X	**		
115	B	Noble	Concrete	X	**		
115	C	Noble	Concrete	X	**		
Total				\$2,909,760 52		\$16,867 45	

*Subject to slight change as Testing charges are not available.

**Construction not started.

***Project not completed.

X Contract price not known.

Average inspection cost on Projects completed—1.57%.

NOTE: This total cost of \$16,867.45 includes all charges made to date on completed projects and in some instances includes charges made in 1919, 1920 and 1921. Charges against projects not completed to date are not shown in above table. Due to these two causes the above amount does not agree with the County Aid as shown by the Division of Audit.

FORCE ACCOUNT

Project No.	Section	Payroll	Invoices	Traveling Expenses	Total
F. A. 6	B and C		\$12,236 28		\$12,236 28
F. A. 10	A-4	\$5.00	627 51		632 51
F. A. 29	I		1,124 57		1,124 57
F. A. 12	B	2,007 30	4,500 77		6,508 07
F. A. 16	E	7,595 71	29,761 82	\$795 73	38,153 26
GRAND TOTAL					\$58,654 69

GENERAL ENGINEERING

NOT CHARGEABLE TO PROJECTS FROM SEPTEMBER 30, 1921, TO SEPTEMBER 30, 1922

	Salary	Expense	Total
Chief Engineer.....	\$4,000 00	\$657 14	\$4,657 14
Road Engineer and Assistants.....	4,511 25	849 63	5,360 88
Office Engineer and Assistants.....	7,625 36	81 26	7,706 62
Bridge Engineer, Assistants, Etc.....	16,518 77	1,092 85	17,611 62
Testing Engineer, Assistants, Etc.....	5,384 49	796 29	6,180 78
Office Clerks and Stenographers.....	3,012 90		
County Aid General Engineering.....	1,840 00		
Equipment and General Expense.....		14,385 55	14,385 55
Miscellaneous.....			226 47

NOTE: The sum of all salaries in this table does not agree with the sum of all salaries of this Division as shown by the Division of Audit, because of the fact that the Division of Audit charges all salaries to General while the bulk of the salaries of this Division are charged to the different projects and structures.

AMOUNTS SHOWN IN THIS EXHIBIT WERE PAID OCTOBER 1ST, 1922

Chief Engineer.....	\$24 84	
General Engineering.....	34 48	
Surveys.....	14 66	
Federal Aid Projects.....	642 18	
County Aid Projects.....	151 47	
State Aid Projects.....	14 66	
Force Account—F. A. Project 16-E.....	1,015 81	
Total.....		\$2,092 19

NOTE: The above items are included in all items of expense as shown on preceding pages under the above headings.

REPORT OF THE DIVISION OF CONSTRUCTION

BRIDGE DEPARTMENT

WM. J. TITUS, Bridge Engineer.

During the three and one-half years' existence of the commission, contracts for one hundred forty-eight bridges have been awarded, at a total contract price of \$1,621,057.41, with a total of 250 spans and a total clear span length of 2.52 miles, which is in addition to the length of piers, abutments and wing walls. Federal aid has been, or will be, received upon eighty-one of the above structures in the amount of one-half their total cost of approximately \$908,945.13. Federal aid was not received upon sixty-five of the remainder which were let at a total contract price of \$425,601.34, because of their isolation from approved federal aid projects, but whose construction was necessary in order to keep our State Road System open to traffic. Two of the total of 148 bridges were county aid jobs, which cost \$286,510.94 and were constructed under our supervision.

Of the above bridges under construction this year, there are fifty-five Federal Aid, fifty-eight State Aid and one County Aid, or a total of 114 bridges, with a total cash disbursement of \$555,099.42. Of this number, twenty-two Federal Aid and thirty-eight State Aid bridges were let during the year at a total contract price of \$584,624.93; and thirty-four Federal Aid, thirty State Aid and one County Aid bridges were completed, at a total cost of \$827,462.71. The value of all the work done during the

fiscal year, including the retained 10 per cent, was \$566,701.84, as compared with \$559,359.06 in 1921 and \$78,063.66 in 1920. All of the contracts let last year have been completed except the Reelsville bridge, F. A. 6-B-32, and by the end of this calendar year the major portion of those let during the spring and summer should be completed.

Although construction costs did not change much from last year, the tendency was downward. Concrete bridges cost practically the same this year as last, but much less than in 1920. The cost per square foot of roadway ranged from \$5.63 in 1922, to \$5.56 in 1921 to \$8.09 in 1920. The cost of steel bridges per square foot has steadily decreased during the last three years, from \$9.06 in 1920 to \$6.82 in 1921 and \$5.81 in 1922. Although the numerous bridges of short span would tend to increase the percentage of actual value of work for engineering and inspection charges, this percentage has on the contrary decreased from 9.33 on all structures completed prior to September 30, 1921, to 6.35 for all structures completed during the fiscal year.

All bridges let under contract are subject to rigid inspection by our field forces and must be built in accordance with the plans and specifications. Among those bridges completed or partially completed this year, are the multiple span concrete arch bridge over the Wabash River at Attica; the 2,000-foot combination steel and concrete trestle bridge over the White River at Hazleton, and the bridges on the Ideal Section of the Lincoln Highway. In addition the department has made extensive repairs to several old bridges of various lengths. These include the addition of one span, one new pier and one abutment to the Millport bridge over the Muscatatuck; the addition of a new pier under the Martinsville bridge over the White River; and the placing of new wood-block floors on several others. The making of these repairs has in some cases required a greater amount of construction skill and application of engineering principles than a majority of our new construction.

At such times as members of the field force are not busy with construction work, they are co-ordinated with the drafting room in the making of all surveys. In this manner both the field and office forces are kept busy at all times. Ninety-three surveys and forty-seven plans were completed during the fiscal year in addition to partially completing twenty-nine other plans. Among the above are the right-of-way, survey and completed plans and estimates for the Hazelton bridge; the survey, plans and estimates for the final location of the bridge over Deer Creek; preliminary work on the proposed 1,200-foot steel bridge at Bedford and the survey, plans and estimates for the Brunswick bridge over the Eel River near Clay City. Plans were also completed for the bridges on the Ideal Section of the Lincoln Highway. The Designing Department also makes all preparations for the advertisement of lettings and the receiving and tabulation of bids, in addition to preparing a large amount of data for the construction forces.

The Bridge Department has also made surveys and prepared plans for and inspected six bridges constructed by the Maintenance Division. These bridges were all small and were either in such isolated positions

that our forces could take care of them only at great cost if they were let under contract, or the construction of them was not found necessary until too late in the season to make awards. Contracts for paint and gutter drain castings were also let by this department for the purpose of supplying our contractors at all times with such material as comply with our specifications. Damages have been collected on contracts not completed within the specified time. The amounts so collected have been credited to our inspection costs. An extensive program of surveys has been outlined for the winter and spring and preparations are under way for the construction of a greater amount of work next season than in any previous year.

FEDERAL AID BRIDGES

PROGRESS

Project No.	Section No.	Structure No.	County	Type	Span	Date of Award	Contract Price	Value Work Done		% Completed	Remarks Date Completed
								During Fiscal Year Ending 9-30-22	Total to 9-30-22		
F. A. 6	B	28	Putnam	St. Truss	1 @ 40' 0"	6-2-20	\$9,979 69	\$870 16	\$10,230 88	100	10-25-21
F. A. 6	B	32	Putnam	R. C. Arch.	3 @ 72' 0"	8-30-21	32,702 54	21,244 15	21,244 15	65	No final payment
F. A. 6	C	1	Putnam	St. Truss	1 @ 60' 0"	6-21-21	11,457 12	11,065 77	11,065 77	100	
F. A. 6	C	29	Putnam	R. C. Arch.	2 @ 60' 0"	8-8-22	65,741 27	779 50	779 50	1	
F. A. 6	C	43	Putnam	Ext. to R. C. Arch.	1 @ 35' 0"	6-21-21	3,165 80			100	10-18-21
F. A. 6	D	4	Vigo	Abt. Ramparts	1 @ 65' 0"	8-30-21	5,046 26	5,304 89	5,304 89	100	3-15-22
F. A. 12	B	9a	Jackson	Wood Block	1 @ 138' 6"	8-30-21	4,881 49			100	
F. A. 13	B	1	Hancock	Floor	1 @ 280' 0"	8-30-21	1,609 76	4,976 15	4,976 15	100	1-15-22
F. A. 13	B	5	Hancock	R. C. Girder	1 @ 75' 0"	8-30-21	1,793 76	1,793 76	1,793 76	100	12-15-21
F. A. 13	B	16	Hancock	R. C. Arch.	1 @ 28' 0"	6-21-21	4,158 87	3,846 34	3,846 34	100	9-21-21
F. A. 13	B	29	Hancock	St. Truss	1 @ 40' 0"	6-21-21	3,641 75	2,223 76	3,586 77	100	1-15-22
F. A. 13	C	1	Hancock	R. C. Arch.	1 @ 52' 0"	6-21-21	6,855 23	7,067 79	7,087 79	100	1-15-22
F. A. 13	C	12	Henry	R. C. Arch.	2 @ 80' 0"	10-29-20	57,334 12		55,944 73	100	9-27-21
F. A. 13	C	12	Henry	R. C. Slab	1 @ 20' 0"	8-30-21	9,431 56	9,431 56	9,431 56	100	1-15-22
F. A. 13	C	20	Henry	R. C. Arch.	1 @ 48' 0"	8-30-21	5,840 85	5,840 85	5,840 85	100	1-15-22
F. A. 13	C	45	Henry	St. Truss	2 @ 55' 0"	8-30-21	12,823 14	12,776 58	12,776 58	100	1-15-21
F. A. 13	D	25	Henry	R. C. Arch.	1 @ 48' 0"	6-21-21	6,005 92	233 50	6,158 09	100	1-20-22
F. A. 14		9	Vigo	R. C. Arch.	2 @ 42' 0"	6-21-21	13,602 22	14,793 69	16,719 19	100	No final payment
F. A. 15	A	1	Hendricks	R. C. Slab	1 @ 10' 0"	6-21-21	1,087 05		*328 32	100	9-15-21
F. A. 15	A	7	Hendricks	R. C. Slab	1 @ 20' 0"	6-21-21	1,988 06	5 00	1,847 86	100	12-15-21
F. A. 15	A	16	Hendricks	R. C. Girder	2 @ 25' 0"	6-21-21	4,267 25		4,179 80	100	9-15-21
F. A. 15	A	29	Hendricks	R. C. Girder	2 @ 20' 0"	6-21-21	5,038 08	52 50	4,835 68	100	10-30-21
F. A. 15	B	31	Hendricks	R. C. Arch.	2 @ 82' 0"	6-21-21	26,143 05	20,395 30	24,826 80	100	5-15-22
F. A. 15	B	34	Hendricks	R. C. Slab	1 @ 20' 0"	6-21-21	1,988 06	2 25	2,000 46	100	12-15-21
F. A. 15	B	35	Hendricks	R. C. Slab	1 @ 10' 0"	6-21-21	932 55		938 15	100	8-15-21
F. A. 15	B	41	Hendricks	R. C. Slab	1 @ 10' 0"	8-30-21	1,489 78	1,489 78	1,489 78	100	3-10-22
F. A. 15	B	44	Hendricks	R. C. Arch.	1 @ 48' 0"	6-21-21	6,491 20	3,933 30	6,208 30	100	3-31-22
F. A. 16	A	20	Lawrence	Increased Pl. Girder	2 @ 32' 0"	6-12-22	19,300 62				
F. A. 16	B	22	Warlick	R. C. Arch.	1 @ 63' 0"	6-2-20	14,985 50	888 75	14,826 16	100	2-15-22
F. A. 16	B	72	Warlick	St. Truss	1 @ 52' 1"	6-2-20	10,410 56	188 20	13,606 32	100	11-15-21
F. A. 16	D	1	Spencer	St. Super.			7,409 51				
F. A. 16	D	1	Spencer	Conc. Sub.	1 @ 124' 0"	6-6-22	14,238 59	7,559 89	7,559 89	53	

FEDERAL AID BRIDGES—Continued.

Project No.	Section No.	Structure No.	County	Type	Span	Date of Award	Contract Price	Value Work Done		% Completed	Remarks Date Completed
								During Fiscal Year Ending 9-30-22	Total to 9-30-22		
F. A. 16	D	8	Spencer.....	R. C. Gird.	1 @ 30' 0"	4- 4-22	2,933 10	1,714 76	1,714 76	58	
F. A. 16	D	11	Spencer.....	R. C. Slab.	2 @ 16' 0"	8- 8-22	2,310 80				
F. A. 16	D	16	Spencer.....	R. C. Gird.	1 @ 28' 0"	4- 4-22	1,886 50	1,823 30	1,823 30	97	
F. A. 16	D	20	Spencer.....	R. C. Gird.	1 @ 28' 0"	4- 4-22	2,403 64	2,378 14	2,378 14	100	9-17-22
F. A. 16	D	26	Spencer.....	St. Super.	1 @ 55' 0"	6- 6-22	2,322 62				
F. A. 16	D	26	Spencer.....	Concrete Sub.	6- 6-22	2,046 06		2,503 20	2,503 20	100	No final payment
F. A. 16	D	27	Spencer.....	R. C. Gird.	4- 4-22	3,036 50	2,617 42	2,510 30	2,510 30	93	
F. A. 16	D	38	Warwick.....	St. Super.	8- 8-22	3,819 94	1,803 40				
F. A. 16	D	38	Warwick.....	Concrete Sub.	8- 8-22	3,443 14					
F. A. 16	D	39	Warwick.....	Concrete Sub.	8- 8-22	3,312 48					
F. A. 16	E	40	Dubois.....	St. Super.	1 @ 72' 0"	6- 6-22	5,056 65	2,779 95	5,005 95	100	1-31-22
F. A. 16	E	40	Dubois.....	Concrete Sub.	2 @ 16' 0"	6-21-21	4,766 10	4,766 10	4,766 10	100	1-31-22
F. A. 16	F	27	Dubois.....	R. C. Gird.	3 @ 16' 0"	6-21-21	5,434 85	5,372 80	5,372 80	100	1-31-22
F. A. 16	F	28	Dubois.....	R. C. Gird.	3 @ 16' 0"	6-21-21	5,830 90	5,911 60	5,911 60	100	7- 1-22
F. A. 16	F	35	Dubois.....	R. C. Gird.	3 @ 16' 0"	6-21-21	4,001 30	2,396 44	2,396 44	60	
F. A. 16	F	42	Dubois.....	R. C. Slab.	3 @ 12' 0"	6- 6-22	2,477 04	739 20	739 20	30	
F. A. 16	G	3	Dubois.....	R. C. Slab.	3 @ 12' 0"	6- 6-22	1,994 02	678 40	678 40	34	
F. A. 16	G	9	Dubois.....	R. C. Slab.	3 @ 12' 0"	6- 6-22	2,647 70				
F. A. 16	G	17	Dubois.....	R. C. Slab.	3 @ 12' 0"	6- 6-22	1,237 89				
F. A. 16	G	19	Dubois.....	R. C. Slab.	3 @ 12' 0"	6- 6-22	19,011 06	18,747 86	18,747 86	100	6-15-22
F. A. 16	G	23	Dubois.....	R. C. Arch.	3 @ 50' 0"	8-30-21	90,373 25	18,972 62	18,972 62	100	No final payment
F. A. 16	I	A	Orange.....	R. C. Arch.	1 @ 20' 0"	4- 4-22					
F. A. 17	C	25	Porter.....	R. C. Arch.	1 @ 55' 0"	8-30-21	7,189 62	7,132 12	7,132 12	100	No final payment
F. A. 24	D	44	Hamilton.....	St. Truss.....	1 @ 55' 0"	4- 4-22	238,767 21	61,672 19	61,672 19	26	
F. A. 29		1	Knox & Gibson.....	St. Truss.....	1800'	7-27-22	7,978 11				
F. A. 32	B	1	Lake.....	R. C. Gird.	1 @ 35' 0"	7-27-22	3,828 34				
F. A. 32	B	2	Lake.....	R. C. Slab.	1 @ 10' 0"	7-27-22					
F. A. 41		1	Vermilion.....	St. Truss, W. Blk.	1 @ 49' 0"	9-18-22	17,198 29				
F. A. 41			Parke.....	Fr. and Paving	3 @ 198' 0"						
55 Structures.			Totals.....				\$704,279 98	\$273,005 06	\$403,974 30	57	

* Contract price for contemplated new structure. Actual work done covered an extension only to the old structure.

** Subject to revision as portion of work is to be paid for on basis of actual cost incurred by the Railroad Company. No payments to be made until structure is completed.

STATE AID BRIDGES

PROGRESS

STATE HIGHWAY COMMISSION

979

Project No.	Section No.	Structure No.	County	Type	Span	Date of Award	Contract Price	Value Work Done		° Completed	Remarks Date Completed
								During Fiscal Year Ending 9-30-22	Total to 9-30-22		
S. A. 2	K	30	Noble.....	St. Truss.....	1 @ 31' 6"	4- 4-22	\$4,976 12	\$4,902 87	\$4,902 87	100	9-15-22
S. A. 2	K	145	Noble.....	R. C. Slab.....	1 @ 12' 0"	8- 8-22	2,023 92				
S. A. 2	L	156	Whitley.....	St. Truss.....	1 @ 31' 6"	9-18-22	1,904 94				
S. A. 4	Z	141	Posey.....	R. C. Gird.....	1 @ 28' 0"	8- 8-22	4,264 85	2,988 60	2,988 60	70	
S. A. 5	A	25	Knox.....	St. Truss.....	1 @ 60' 0"	4- 4-22	6,084 88	2,199 46	2,199 46	36	
S. A. 5	A	25a	Knox.....	R. C. Box.....	2 @ 8' 0"	4- 4-22	2,412 36				
S. A. 6	A2	35	Ripley.....	R. C. Arch.....	1 @ 35' 0"	4- 4-22	3,441 09	3,594 59	3,594 59	100	No final payment
S. A. 6	D	50	Deatur.....	Tr. Ramparts.....	1 @ 164' 6"	9-19-21	786 22	874 82	874 82	100	11-14 21
S. A. 8	D	112	Lake.....	R. C. Box.....	1 @ 5' 0"	6- 6-22	578 44	560 44	560 44	100	No final payment
S. A. 8	D	114	Lake.....	R. C. Slab.....	1 @ 20' 0"	6- 6-22	2,396 76				
S. A. 8	G	12	Lake.....	St. Truss.....	1 @ 55' 0"	9-19-21	5,583 25	6,130 60	6,130 60	100	9-20-22
S. A. 10	A	101	Vanderburgh....	Wd. Bk., Floor and Painting.....	1 @ 182' 7"	9-18-22	6,100 28				
S. A. 10	B	24	Gibson.....	R. C. Box.....	2 @ 8' 0"	6-21-21	4,303 17	4,158 40	4,158 40	100	9- 1-22
S. A. 11	F	32	Grant.....	St. Truss.....	1 @ 55' 0"	4- 4-22	9,485 90	8,135 90	8,135 90	100	9-15-22
S. A. 12	K	28	Morgan.....	St. Truss.....	1 @ 48' 0"	8-30-21	5,410 00	5,410 00	5,410 00	100	2-15-22
S. A. 13	A	51	Henry.....	R. C. Slab.....	1 @ 14' 0"	6- 6-22	1,172 00	1,172 54	1,172 54	100	No final payment
S. A. 13	A	52	Henry.....	R. C. Slab.....	1 @ 18' 0"	6- 6-22	2,004 00	1,993 80	1,993 80	100	No final payment
S. A. 13	B	53	Henry.....	R. C. Slab.....	1 @ 14' 0"	6- 6-22	1,209 60				
S. A. 13	B	54	Henry.....	R. C. Slab.....	1 @ 14' 0"	6- 6-22	1,780 47				
S. A. 13	B	55	Henry.....	R. C. Slab.....	1 @ 12' 0"	6- 6-22	1,419 23				
S. A. 13	B	56	Henry.....	R. C. Slab.....	1 @ 12' 0"	6- 6-22	1,242 49				
S. A. 13	G	130	Blackford.....	R. C. Slab.....	1 @ 13' 0"	8- 8-22	1,172 93				
S. A. 15	C	15	Pulaski.....	St. Truss.....	1 @ 31' 6"	6-21-21	4,816 75	3,759 39	4,139 24	100	No final payment
S. A. 15	C	16	Pulaski.....	St. Truss.....	1 @ 31' 6"	6-21-21	5,669 78	5,384 03	5,384 03	100	No final payment
S. A. 15	C	17	Pulaski.....	St. Truss.....	1 @ 31' 6"	6-21-21	5,669 79	4,708 79	4,708 79	100	No final payment
S. A. 15	F	104	Starke.....	St. Super.....			3,753 06				
S. A. 15	F	104	Starke.....	Concrete Sub.	1 @ 72' 0"	9-18-22	3,885 75				

STATE AID BRIDGES—Continued.

Project No.	Section No.	Structure No.	County	Type	Span	Date of Award	Contract Price	Value Work Done		% Completed	Remarks Date Completed
								During Fiscal Year Ending 9-30-22	Total to 9-30-22		
S. A. 21	D	46	Wayne	R. C. Slab.	1 @ 12' 0"	6-6-22	1,663 72				
S. A. 21	D	47	Wayne	R. C. Slab.	1 @ 12' 0"	6-6-22	1,570 60	889 60	889 60	57	
S. A. 21	F	2	Rando ph.	St. Truss	1 @ 84' 0"	9-7-20	12,792 68		12,799 43	100	7-30-21
S. A. 21	F	19	Randolph	R. C. Slab.	1 @ 12' 0"	6-21-21	2,115 28		1,870 96	100	9-15-21
S. A. 21	H	20	Adams	St. Truss	1 @ 100' 0"	8-30-21	19,314 84	16,598 65	16,598 65	100	7-17-22
S. A. 22	E	18	Morgan	R. C. Arch.	1 @ 65' 0"	8-30-21	10,482 40	9,540 96	9,540 96	100	No final payment
S. A. 22	F	6	Morgan	Repairs.	3 @ 169' 1"	10-14-21	16,607 44	19,466 72	19,466 72	100	8-15-22
S. A. 24	B	21	Jackson	Rebuild Pier, Abt.	1 @ 153' 0"						
S. A. 24	B	21	Jackson	Paint	2 @ 70' 0"	8-30-21	16,472 19	17,930 27	17,930 27	100	9-1-22
S. A. 26	G	89	Jennings	R. C. Slab.	1 @ 12' 0"	4-4-22	3,895 52	3,423 08	3,423 08	100	9-15-22
S. A. 27	C	33	Kosciusko	R. C. Slab.	1 @ 18' 0"	9-18-22	6,135 25				
S. A. 27	C	131	Kosciusko	R. C. Slab.	1 @ 18' 0"	9-18-22	2,632 90				
S. A. 30	B	27	Greene	Wd. Bk. Fr.	2 @ 114' 0"						
S. A. 30	B	27	Greene	Paint St.	1 @ 300' 0"	8-30-21	9,370 86	9,447 37	9,447 37	100	1-15-22
S. A. 31	D	117	Putnam	R. C. Gird.	1 @ 30' 0"	6-6-22	4,985 18	4,761 30	4,761 30	96	No final payment
S. A. 31	D	118	Putnam	R. C. Slab.	1 @ 12' 0"	6-6-22	914 08	914 08	914 08	100	
S. A. 31	E	120	Putnam	R. C. Slab.	1 @ 12' 0"	6-6-22	2,549 11	2,192 56	2,192 56	86	
S. A. 31	E	121	Putnam	R. C. Gird.	1 @ 24' 0"	6-6-22	3,189 05	2,297 42	2,297 42	72	
S. A. 32	F	119	Putnam	R. C. Slab.	1 @ 12' 0"	6-6-22	965 08	646 69	646 69	67	
S. A. 33	C	13	Fountain	Repairs.	4 @ 24' 0"	6-21-21	1,819 53		1,935 33	100	9-28-21
S. A. 31	A	14	Franklin	R. C. Arch.	5 @ 82' 0"	7-28-20	91,885 87	3,785 30	91,187 51	100	11-15-21
S. A. 31	A	33	Dearborn	R. C. Arch.	6 @ 50' 0"	4-4-22	6,416 94	5,309 70	5,309 70	83	
S. A. 31	A	39	Franklin	R. C. Arch.	4 @ 50' 0"	4-4-22	7,861 44	3,718 28	3,718 28	47	
S. A. 31	A	86	Payette	Wd. Bk. Floor	1 @ 50' 0"	9-19-21	4,367 56	4,549 34	4,549 34	100	1-16-22
S. A. 31	D	42	Wayne	Plank Fr. Painting	1 @ 115' 10"	6-6-22	1,459 30	1,546 14	1,546 14	100	9-1-22
S. A. 34	A	87	Howard	R. C. Cul.	1 @ 8' 0"	9-19-21	1,323 85	1,110 85	1,110 85	100	11-30-21
S. A. 35	A	88	Howard	R. C. Cul.	1 @ 10' 0"	9-19-21	2,331 26				
S. A. 37	E	48	Delaware	St. Truss	1 @ 31' 6"	6-6-22	6,946 38				
S. A. 37	E	49	Delaware	St. Truss	1 @ 31' 6"	6-6-22	6,946 38				
S. A. 40	B	44	Switzerland	R. C. Slab.	2 @ 18' 0"	4-4-22	4,897 23	4,634 29	4,634 29	100	No final payment
S. A. 40	B	45	Switzerland	St. Truss	1 @ 84' 0"	4-4-22	16,829 66	6,226 80	6,226 80	37	
S. A. 44	I	31	Whitley	St. Truss	1 @ 55' 0"	8-30-21	6,204 68	2,827 12	2,827 12	47	
S. A. 49	C	107	Lake	Wd. Bk. Floor	2 @ 126' 0"	6-6-22	2,189 72	2,188 15	2,188 15	100	9-15-22
S. A. 49	E	105	Lake	R. C. Slab.	1 @ 18' 0"	6-6-22	2,158 30	1,444 72	1,444 72	67	
Totals—58 Structures								\$182,148 77	\$286,901 05	78	

COSTS
Structures Awarded Prior to September 30, 1922
FEDERAL AID STRUCTURES

Project	Section	Structure	Date of Award	Contract Payments		Value Work Done		Engineering Costs Chargeable to Structures					
				During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22				Total Engineering Cost	Total Engineering Cost to 9-30-22
								Survey and Plans		Inspection			
								Salary	Expense	Salary	Expense		
F.A. 6	B	28	6-2-20	\$2,742 30	\$10,230 88	\$870 16	\$10,230 88	\$138 17	\$3 65	\$8 89		\$8 89	\$1,276 70
F.A. 6	B	32	8-30-21	\$13,162 16	13,162 16	21,244 15	21,244 15	(25		914 29	\$265 97	1,322 08	2,594 72
F.A. 6	C	1	6-21-21	9,207 67	9,207 67	11,065 77	11,065 77	1,355 47	38 35	224 41	53 14	286 80	2,948 87
F.A. 6	C	29	8-8-22			779 50	779 50			39 75	19 22	1,452 79	
F.A. 6	C	43	6-21-21	311 48	3,114 80		3,114 80			1 78	3 80	5 58	356 69
F.A. 6	D	4	8-30-21	5,304 89	5,304 89	5,304 89	5,304 89	71 22		186 01	43 58	300 81	630 29
F.A. 12	B	9a	8-30-21	4,976 15	4,976 15	4,976 15	4,976 15			87 94	24 55	112 49	254 53
F.A. 13	B	1	8-30-21	1,793 76	1,793 76	1,793 76	1,793 76			56 66	9 50	66 16	430 27
F.A. 13	B	5	6-21-21	3,846 34	3,846 34		3,846 34			5 33	7 71	13 04	327 16
F.A. 13	B	16	6-21-21	2,360 06	3,586 77	2,223 76	3,586 77	21 92		60 92	46 90	129 74	611 58
F.A. 13	B	29	6-21-21	7,087 79	7,087 79	7,087 79	7,087 79	5 38		251 20	61 25	317 83	631 42
F.A. 13	C	1	10-29-20		55,944 73		55,944 73	5 04		12 31	5 84	23 18	1,890 11
F.A. 13	C	12	8-30-21	9,431 56	9,431 56	9,431 56	9,431 56			141 58	68 84	210 42	459 68
F.A. 13	C	20	6-21-21	5,840 85	5,840 85	5,840 85	5,840 85			143 06	52 95	196 01	760 45
F.A. 13	C	45	8-30-21	12,776 58	12,776 58	12,776 58	12,776 58	6 40		300 75	86 71	393 86	806 25
F.A. 13	D	25	6-21-21	825 96	6,158 09	233 50	6,158 09		3 63	39 23	32 17	75 03	747 18
F.A. 14		9	6-21-21	11,593 51	12,426 46	14,793 69	15,719 19	382 32		751 30	271 42	1,405 04	2,123 23
F.A. 15	A	1	6-21-21	328 83	328 83		328 83						66 70
F.A. 15	A	7	6-21-21	1,255 93	1,847 86	5 00	1,847 86			14 09	11 64	25 73	92 44
F.A. 15	A	16	6-21-21	4,179 80	4,179 80		4,179 80			3 55		3 55	411 97
F.A. 15	A	29	6-21-21	4,935 68	4,935 68	52 50	4,935 68				1 69	1 69	331 51
F.A. 15	B	31	6-21-21	20,838 45	24,826 80	20,395 30	24,826 80	18 23					1,588 61
F.A. 15	B	34	6-21-21	211 07	2,000 46	2 25	2,000 46			384 82	86 43	489 48	82 35
F.A. 15	B	35	6-21-21	93 81	938 15		938 15						82 84
F.A. 15	B	41	6-30-21	1,489 78	1,489 78	1,489 78	1,489 78	3 64		53 79	18 82	76 25	230 58
F.A. 15	B	44	6-21-21	6,208 30	6,208 30	3,933 30	6,208 30	15 95		162 39	28 32	206 66	687 18
F.A. 16	A	20	6-12-21	2,255 49	14,826 16	585 75	14,826 16	201 60	2 35	90 48	5 96	300 39	668 66
F.A. 16	B	22	6-2-20	1,530 01	13,006 32	188 20	13,006 32			3 00	46 43	49 43	1,560 08
F.A. 16	B	72	6-2-20	6,803 90	6,803 90	7,559 89	7,559 89	7 92		7 92	40 16	48 08	1,247 01
F.A. 16	D	1	4-4-22	1,543 28	1,543 28	1,714 76	1,714 76	664 96	49 55	147 22	10 52	872 25	932 01
F.A. 16	D	8	8-8-22					2 23		103 75	15 09	151 50	451 46
F.A. 16	D	11	8-4-22					170 77	2 00			173 07	173 07

COSTS—Continued.

Project	Section	Structure	Date of Award	Contract Payments		Value Work Done		Engineering Costs Chargeable to Structures						Total Engineering Cost to 9-30-22
				During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22				Total Engineering Cost		
								Survey and Plans		Inspection			Expense	
								Salary	Expense	Salary	Expense			
F. A. 16	D	16	4-4-22	1,640 97	1,640 97	1,823 30	1,823 30	47 23	1 26	97 10	24 56	170 15	500 01	
F. A. 16	D	20	4-4-22	2,378 14	2,378 14	2,378 14	2,378 14	61 03	1 26	203 46	33 37	299 12	353 33	
F. A. 16	D	26	6-6-22	1,847 88	1,847 88	2,503 20	2,503 20	115 93	1 26	91 45	38 48	247 12	331 83	
F. A. 16	D	27	4-4-22	2,259 27	2,259 27	2,510 30	2,510 30	16 99	1 26	226 62	50 13	295 00	401 25	
F. A. 16	D	38	8-8-22					196 36	14 09	8 65	4 75	223 85	280 64	
F. A. 16	D	39	8-8-22					261 50	14 13	8 65		284 36		
F. A. 16	E	40	6-6-22					108 69	5 67	163 65	50 22	328 23	584 38	
F. A. 16	F	27	6-21-21	3,002 55	5,005 95	2,779 95	5,005 95			147 72	58 13	205 85	577 89	
F. A. 16	F	28	6-21-21	4,766 10	4,766 10	4,766 10	4,766 10			98 78	28 29	127 07	369 16	
F. A. 16	F	35	6-21-21	5,372 80	5,372 80	5,372 80	5,372 80			173 08	43 39	216 47	426 18	
F. A. 16	F	42	6-21-21	5,911 60	5,911 60	5,911 60	5,911 60	89 92		201 85	57 12	348 89	609 14	
F. A. 16	G	3	6-6-22	2,156 80	2,396 44	2,396 44	2,396 44	151 77		104 80	7 05	263 62	302 02	
F. A. 16	G	9	6-6-22	665 28	739 20	739 20	739 20	115 07	16 09	42 07		173 23	173 23	
F. A. 16	G	17	6-6-22	610 56	678 40	678 40	678 40	44 00		22 43		178 19	231 12	
F. A. 16	G	19	6-6-22					107 61		11 52		113 17	180 75	
F. A. 16	G	23	6-6-22							5 56		55 52	110 61	
F. A. 16	I	A	8-30-21	18,747 86	18,747 86	18,747 86	18,747 86	17 54	14 39	975 75	281 86	1,289 54	1,752 84	
F. A. 17	C	25	4-4-22	16,484 62	16,484 62	18,972 62	18,972 62	31 99		396 89	114 86	543 74	875 04	
F. A. 24	D	44	8-30-21	6,418 91	6,418 91	7,132 12	7,132 12	13 07		351 45	125 14	489 66	778 54	
F. A. 29		1	4-4-22	38,131 90	38,131 90	61,672 19	61,672 19	2,748 92		1,172 48	288 73	4,606 98	5,698 06	
F. A. 32	B	1	7-27-22					231 98	26 55	158 17	43 57	460 27	460 27	
F. A. 32	B	2	7-27-22					148 51	14 70			163 21	163 21	
F. A. 41		1	9-18-22					282 87	24 82		2 90	310 59	629 25	
TOTALS				\$241,520 72	\$360 822 93	\$273,006 06	\$403,974 30	\$8,047 49	\$634 14	\$8,858 55	\$2,571 46	\$20,111 64	\$42,269 38	
Less damages on F. A. 16-I-A.				123 16	123 16							123 16	123 16	
Actual Warrants Issued				\$241,397 56	\$360,699 77							\$19,988 48	\$42,146 22	

* Contract price for contemplated new structure was \$1,087.05. Payments covered extension only to the old structure.

** No payments to be made until structure is completed.

*** Debit \$123.16 for damages assessed by the State. Damages to be credited to inspection costs.

Note: The above table includes all Federal Aid Structures for which contracts have been awarded on which there was any kind of charge during the fiscal year. Prior to September 30, 1921, however, twenty-one Federal Aid Structures were completed, with total contract payments of \$174,124.40, and total engineering costs of \$18,024.50, which are not included in the above table nor in the "Progress Table".

COSTS
Structures Awarded Prior to September 30, 1922
STATE AID STRUCTURES

Project	Section	Structure	Date of Award	Contract Payments		Value Work Done		Engineering Costs Chargeable to Structures						Total Engineering Cost to 9-30-22
				During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22	Total to 9-30-22	Survey and Plans		Inspection		Total Engineering Cost		
								Salary	Expense	Salary	Expense			
S. A. 2	K	30	4-4-22	\$4,902 87*	\$4,902 87*	\$4,902 87	\$4,902 87	\$55 75	.....	\$238 37	\$127 90	\$422 02	\$587 82
S. A. 2	K	145	8-8-22	.....	.....	.....	.....	63 43	\$6 52	123 97	11 60	205 52	205 52
S. A. 2	L	156	9-18-22	.....	.....	.....	.....	57 00	.....	.....	.....	57 00	57 00
S. A. 4	Z	141	8-8-22	.....	.....	2,988 60	2,988 60	175 35	30 32	27 78	6 08	239 73	239 73
S. A. 4	A	25	4-4-22	.....	.....	2,199 46	2,199 46	53 26	8 55	223 94	139 80	425 55	564 93
S. A. 5	A	25a	4-4-22	.....	.....	.....	.....	10 42	.....	.....	3 61	14 03	67 27
S. A. 6	A2	35	4-4-22	.....	.....	.....	.....	175 68	2 29	215 19	107 97	501 13	505 59
S. A. 6	D	50	9-19-21	2,870 19	2,870 19	3,594 59	3,594 59	11 90	.....	19 49	10 47	41 86	145 02
S. A. 8	D	112	6-6-22	874 82	874 82	874 82	874 82	64 03	3 75	35 33	9 81	112 92	112 92	
S. A. 8	D	114	6-6-22	504 40	504 40	560 44	560 44	71 10	7 59	17 39	2 25	98 33	98 33	
S. A. 8	G	12	9-19-21	6,130 60*	6,130 60*	6,130 60	6,130 60	61 87	.....	365 61*	234 76*	662 24*	902 68*
S. A. 10	A	101	9-18-22	.....	.....	.....	.....	468 62	77 65	.....	85	547 12	547 12
S. A. 10	B	24	6-21-21	4,522 90	4,522 90	4,158 40	4,522 90	1 95	34 53	444 78	118 63	599 89	795 15	
S. A. 11	F	32	4-4-22	8,135 90*	8,135 90*	8,135 90*	8,135 90*	60 08	.....	354 82	198 01	612 91	923 16
S. A. 12	K	28	8-30-21	5,410 00*	5,410 00*	5,410 00	5,410 00	.....	1 30	324 23*	179 44*	504 97*	811 31*
S. A. 13	A	51	6-6-22	566 77	566 77	1,172 54	1,172 54	44 27	.....	100 04	22 08	167 29	231 18
S. A. 13	A	52	6-6-22	1,775 25	1,775 25	1,993 80	1,993 80	67 91	95	80 95	22 97	172 78	202 43	
S. A. 13	B	53	6-6-22	.....	.....	.....	.....	36 85	.....	67 60	8 61	113 06	136 05
S. A. 13	B	54	6-6-22	.....	.....	.....	.....	79 28	.....	12 73	.....	92 01	123 25
S. A. 13	B	55	6-6-22	.....	.....	.....	.....	14 00	50	16 61	.....	31 11	45 44
S. A. 13	B	56	6-6-22	.....	.....	.....	.....	66 96	.....	2 84	.....	69 80	78 98
S. A. 13	G	130	8-8-22	.....	.....	.....	.....	107 60	6 15	46 63	5 15	165 53	165 53
S. A. 15	C	15	6-21-21	3,383 45	3,725 32	3,759 39	4,139 24	.....	.....	205 49	73 09	278 58	796 58
S. A. 15	C	16	6-21-21	4,845 63	4,845 63	5,384 03	5,384 03	.....	.....	380 55	160 12	551 35	726 56
S. A. 15	C	17	6-21-21	4,237 91	4,237 91	4,708 79	4,708 79	.....	.....	407 40	61 17	470 52	635 72
S. A. 15	F	104	9-18-22	.....	.....	.....	.....	284 10	1 95	.....	.....	321 51	321 51
S. A. 21	D	46	6-6-22	.....	.....	.....	.....	78 13	37 41	.....	15 87	193 51	211 10
S. A. 21	D	47	6-6-22	800 64	800 64	889 60	889 60	92 32	.....	99 51	46 86	188 02	203 94
S. A. 21	F	2	9-7-20	12,799 43	12,799 43	12,799 43	12,799 43	.....	.....	48 84	2 70	4 00	1,319 63
S. A. 21	F	19	6-21-21	1,870 96	1,870 96	1,870 96	1,870 96	.....	.....	.....	.....	4 00	280 96
S. A. 21	H	20	8-30-21	16,598 65*	16,598 65*	16,598 65	16,598 65	176 57	.....	421 35*	153 20*	781 12*	1,483 16*

COSTS—Continued.

Project	Section	Structure	Date of Award	Contract Payments		Value Work Done		Engineering Costs Chargeable to Structures						Total Engineering Cost to 9-30-22	
				During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22	Total to 9-30-22	During Fiscal Year Ending 9-30-22				Total Engineering Cost			
								Survey and Plans		Inspection			Total Engineering Cost		
								Salary	Expense	Salary	Expense		Salary		Expense
S. A. 22	E	18	8-30-21	8,586 87	8,586 87	9,540 96	9,540 96	.....	.....	668 30	315 81	984 11	315 81	1,303 28
S. A. 22	F	6	10-14-21	19,466 72	19,466 72	19,466 72	19,466 72	37 20	.....	515 48	98 06	650 74	98 06	758 93
S. A. 24	B	21	8-30-21	17,930 27	17,930 27	17,930 27	17,930 27	28 06	.....	938 74	251 35	1,218 15	251 35	1,694 67
S. A. 26	G	89	4-4-22	3,423 08	3,423 08	3,423 08	3,423 08	135 56	2 13	232 10	126 99	496 78	126 99	496 78	
S. A. 27	C	36	9-18-22	.....	.....	.....	.....	105 98	.....	.....	8 21	114 19	.....	154 21
S. A. 27	C	131	9-18-22	.....	.....	.....	.....	75 08	15 10	.....	.....	90 18	.....	90 18
S. A. 30	B	27	8-30-21	9,447 37	9,447 37	9,447 37	9,447 37	26 54	.....	176 76	131 69	331 99	131 69	639 42
S. A. 31	D	117	6-6-22	4,761 30	4,761 30	4,761 30	4,761 30	106 69	23 63	132 54	43 28	306 14	43 28	306 14	
S. A. 31	D	118	6-6-22	799 37	799 37	914 08	914 08	29 05	3 85	71 69	15 81	120 40	15 81	120 40	
S. A. 31	E	120	6-6-22	.....	.....	2,192 56	2,192 56	127 49	9 62	26 94	.....	164 05	.....	164 05
S. A. 31	E	121	6-6-22	.....	.....	2,297 42	2,297 42	185 73	7 04	12 68	.....	212 97	.....	212 97
S. A. 32	F	119	6-6-22	582 02	582 02	646 69	646 69	48 79	.....	27 23	7 52	84 27	.....	84 27
S. A. 33	C	13	6-21-21	1,297 86	1,935 33	.....	1,935 33	.....	2 94	.....	.....	456 03	.....	456 03
S. A. 34	A	14	7-28-20	12,525 52	91,187 51	3,785 30	91,187 51	14 27	.....	30 46	2 10	46 83	.....	3,600 72
S. A. 34	A	38	4-4-22	4,778 73	5,309 70	5,309 70	5,309 70	67 04	2 29	442 09	167 44	678 86	167 44	851 29	
S. A. 34	A	39	4-4-22	1,746 18	3,718 28	3,718 28	3,718 28	86 96	2 29	190 20	96 79	378 24	96 79	500 33	
S. A. 34	C	86	9-19-21	**4,549 34	**4,549 34	4,549 34	4,549 34	32 39	.....	251 15	60 42	343 96	60 42	413 28
S. A. 34	D	42	6-6-22	**1,546 14	**1,546 14	1,546 14	1,546 14	53 20	1 25	48 39	28 47	131 31	28 47	224 84	
S. A. 35	A	87	9-19-21	725 15	725 15	725 15	725 15	8 22	2 94	40 25	30 75	82 16	30 75	127 68	
S. A. 35	A	88	9-19-21	1,110 85	1,110 85	1,110 85	1,110 85	27 26	3 69	41 19	32 47	104 61	32 47	161 36	
S. A. 37	E	48	6-6-22	.....	.....	.....	.....	23 60	.....	6 73	1 67	32 00	.....	78 07
S. A. 37	E	49	6-6-22	3,058 93	3,058 93	4,634 29	4,634 29	167 13	2 36	.....	.....	169 49	.....	182 25
S. A. 40	B	44	4-4-22	2,597 22	2,597 22	6,226 80	6,226 80	276 67	2 32	248 83	166 98	694 80	166 98	756 08	
S. A. 40	B	45	4-4-22	2,544 41	2,544 41	2,827 12	2,827 12	450 53	14 55	110 49	114 71	690 28	114 71	707 44	
S. A. 44	I	31	8-30-21	*2,188 15	*2,188 15	2,188 15	2,188 15	30 67	.....	732 48	373 37	1,136 52	373 37	1,363 58
S. A. 49	C	107	6-6-22	1,300 25	1,300 25	1,444 72	1,444 72	139 73	16 79	113 84	66 03	336 39	66 03	336 39	
S. A. 49	E	105	6-6-22	1,300 25	1,300 25	1,444 72	1,444 72	209 78	20 57	99 67	77 69	407 71	77 69	407 71	
Totals.....				\$170,049 58	\$264,361 30	\$182,148 77	\$286,901 05	\$4,873 73	\$560 92	\$9,448 67	\$3,979 09	\$18,662 41	\$3,979 09	\$29,744 92	
Less Deductions shown below				727 52	727 52	.....	.....	.....	.....	.....	.....	369 49	.....	369 49
Net Total				\$169,322 06	\$263,633 78	.....	.....	.....	.....	.....	.....	\$18,292 92	.....	\$29,375 43

COSTS

Structures Awarded Prior to September 30, 1922

STATE AID STRUCTURES

* Special Deductions in Table Below.

Project	Section	Structure	Contract Payments on Final Estimate	Deductions			Total of Warrants Issued	Inspection Credits			
				Paint	Castings	Damages		Total Engineering Costs During Fiscal Year Ending 9-30-22		Total Engineering Costs Prior to 9-30-22	
								Charged	Less Deductions	Charged	Less Deductions
S. A. 2	K	30	\$4,902 87	\$26 25			\$4,876 62	\$662 24		\$902 68	
S. A. 8	G	12	6,130 80			\$170 36	5,960 24		\$491 88		\$732 32
S. A. 11	F	32	8,135 90				8,078 17				
S. A. 12	K	28	5,410 00	51 25	\$6 48		5,287 14	504 97		811 31	688 45
S. A. 21	H	20	16,598 65			122 86	16,522 38	781 12	382 11	1,483 16	1,406 89
S. A. 34	D	42	1,548 14	71 55		76 27	1,474 59		704 85		
S. A. 49	C	107	2,188 15	202 50		71 55	1,985 65				
			Totals.....	\$351 55	\$6 48	\$369 49					

**Credits—S. A. 34. C. 86. received by Highway Commission from Treasurer of Fayette County.....\$162.67

S. A. 34. D. 42 received by Highway Commission from T. H. I. and E. Tr. Co..... 773.07

Explanatory Note to (*) Special Deductions above.

Paint and Castings furnished by the State to the contractor at specified unit prices and deducted from final payment to contractor. These materials are purchased by the State on other contracts.

Damages assessed are inspection costs and other actual damages incurred by reason of delay in completion of structure beyond the specified date of completion and should be credited to inspection costs.

Note: The above "Cost Table" includes all State Aid Structures for which contracts have been awarded on which there was any kind of a charge during the fiscal year. Prior to Sept. 30, 1921, however, eight State Aid Structures were completed with total contract payments of \$58,626.08, and total engineering costs of \$3,943.78, which are not included in the above "Cost Table", nor "Progress Table".

COSTS
Structures Not Awarded Prior to September 30, 1922
FEDERAL AID STRUCTURES

Project	Section	Structure	County	Sites Surveyed	Plans Partially Completed	Plans Complete	Type	Span	Engineering Costs Chargeable to Structures			
									During Fiscal Year Ending 9-30-22			Total Engineering Costs to 9-30-22
									Salary	E. pence	Total	
F. A. 6	B	16	Clay...	1	1		Plate Girder...	.....	\$4 45	\$0 40	\$4 85	\$153 43
F. A. 6	C	25	Putnam...	1	1		Plate Girder...	.....	74 78	2 55	77 33	144 86
F. A. 6	D	6a	Vigo...	1	1		Plate Girder...	.....	65 84	.....	65 84	291 53
*F. A. 10	A	4	Marshall...	1	1	1	R. C. Box	5' x 5'...	4 50	.....	4 50	268 13
F. A. 10	B	14	St. Joseph...	1	1	1	R. C. Box	2 @ 8' 0"...	123 11	.....	123 11	230 61
F. A. 13	C	.....	Henry...	1	1		Approach...	.....	215 51	50 92	266 43	266 43
F. A. 16	A	55	Lawrence...	1	1		R. C. Arch.	1 @ 60' 0"...	262 36	204 57	466 93	1,295 37
F. A. 16	C	21	Warrick...	1	1	1	Steel Truss	.....	44 82	.....	44 82	311 63
F. A. 16	H	A	Orange...	1	1		R. C. Arch.	2 @ 8' 0"...	853 28	63 97	917 25	1,093 61
F. A. 16	H	11	Orange...	1	1		.....	.....	37 15	.....	37 15	57 63
F. A. 16	H	13	Orange...	1	1		.....	.....	.....	29 04	29 04	29 04
F. A. 16	H	14	Orange...	1	1		.....	.....	41 79	.....	41 79	71 29
F. A. 16	L	12	Orange...	1	1	1	R. C. Arch.	2 @ 60' 0"...	333 94	58 28	392 22	392 22
F. A. 16	L	21	Vanderburgh...	1	1		R. C. Girder...	1 @ 24' 0"...	.....	4 74	4 74	4 74
F. A. 17	A	4a	Vanderburgh...	1	1		.....	.....	4 63	4 62	9 25	9 25
F. A. 17	B	11	Lake...	1	1		Plate Girder...	.....	141 77	38 46	180 23	180 23
F. A. 17	B	11	Porter...	1	1	1	Steel Truss	1 @ 31' 6"...	10 92	.....	10 92	528 15
F. A. 17	D	1	Laporte...	1	1	1	Steel Truss	1 @ 55' 0"...	12 25	.....	12 25	319 46
F. A. 21	A	21	Jackson...	1	1		.....	.....	52 14	5 15	57 29	57 29
F. A. 21	A	34a	Jackson...	1	1		.....	.....	364 62	11 84	376 46	376 46
F. A. 21	A	35	Jackson...	1	1		.....	.....	83 50	12 50	96 00	96 00
F. A. 21	A	35a	Jackson...	1	1		.....	.....	23 60	6 61	30 21	30 21
F. A. 21	A	36	Jackson...	1	1		.....	.....	.....	.....	.....	.....
F. A. 21	A	42	Tipton...	1	1		.....	.....	.....	.....	.....	.....
F. A. 24	C	1	Tipton...	1	1		.....	.....	.....	.....	.....	.....
F. A. 24	C	8	Vanderburgh...	1	1		R. C. Girder...	1 @ 28' 0"...	4 63	.....	4 63	78 05
F. A. 28	A	8	Vanderburgh...	1	1		Steel Truss	1 @ 40' 0"...	13 80	4 74	18 63	18 63
F. A. 28	A	11	Vanderburgh...	1	1		Ext. to R. C. Arch.	1 @ 30' 0"...	34 07	20 89	54 96	71 00
F. A. 28	A	19	Gibson...	1	1		Steel Truss	1 @ 60' 0"...	56 85	11 31	68 16	68 16
F. A. 28	A	32	Gibson...	1	1		Steel Truss	1 @ 60' 0"...	16 66	.....	16 66	16 66
F. A. 28	B	43	Gibson...	1	1		Steel Truss	1 @ 55' 0"...	.....	.....	.....	.....

F. A. 28	B	44	Gibson.....	1	1	R. C. Girder.....	1 @ 28' 0" ..	\$56 87	\$2 65	\$59 52	\$59 52
F. A. 28	B	43	Gibson.....	1	1	Steel Truss.....	1 @ 72' 0" ..	66 96	5 90	72 86	72 86
F. A. 31	A	6	Porter.....	1	1	Steel Truss.....	.....	45 40	36 35	81 75	81 75
F. A. 36	.....	15	Vanderburgh.....	1	.....	.....	.....	4 63	.....	4 63	4 63
F. A. 36	.....	25	Vanderburgh.....	1	.....	.....	.....	33 23	12 00	45 23	45 23
F. A. 37	.....	.....	Spencer.....	1	.....	.....	.....	578 20	51 05	629 25	739 79
F. A. 39	.....	1	Morgan.....	1	1	R. C. Arch.....	1 @ 50' 0" ..	9 35	.....	9 35	9 35
F. A. 39	.....	2	Morgan.....	1	1	R. C. Box.....	4 x 4.....	397 49	26 04	424 13	424 13
F. A. 43	.....	1	Warren.....	1	1	Steel Truss.....	1 @ 84' 0" ..	166 12	39 42	205 54	205 54
			Totals.....	41	18	.....	.....	\$4,239 41	\$853 93	\$5,093 34	\$8,176 86

* Structure built by Road Department.

COSTS
Structures Not Awarded Prior to September 30, 1922
STATE AID STRUCTURES

Project	Section	Structure	County	Sites Surveyed	Plans Partially Completed	Plans Complete	Type	Span	Engineering Costs Chargeable to Structures		
									During Fiscal Year Ending 9-30-22		Total Engineering Costs to 9-30-22
									Salary	Expense	Total
S. A. 3	K	37	Marion.....	1		1	Garage.....	1 @ 30' 0".	\$60 92	.....	\$60 92
S. A. 4	P	151	Jackson.....	1		1	R. C. Girder.....	1 @ 30' 0".	152 46	\$22 50	174 96
S. A. 5	C	142	Davies.....	1		1	R. C. Girder.....	1 @ 30' 0".	143 58	18 56	162 14
S. A. 5	C	143	Davies.....	1		1	R. C. Girder.....	1 @ 30' 0".	233 78	23 05	256 83
S. A. 5	C	143a	Davies.....	1		1	R. C. Box.....	1 @ 5' 6".	27 40	.....	27 40
S. A. 5	C	144	Davies.....	1		1	R. C. Slab.....	1 @ 16' 0".	77 96	9 70	87 66
S. A. 5	G	75	Marion.....	1		1	R. C. Slab.....	1 @ 16' 0".	1 94	.....	1 94
S. A. 9	E	127	Warren.....	1	1		R. C. Arch.....	1 @ 65' 0".	50 64	33 83	84 47
S. A. 9	E	128	Warren.....	1	1		R. C. Arch.....	1 @ 18' 0".	24 00	11 47	35 47
S. A. 10	H	102	Sullivan.....	1		1	Steel Truss.....	1 @ 31' 6".	201 04	32 70	233 74
S. A. 10	H	91	Vermilion-Parke..	1		1	R. C. Slab.....	1 @ 16' 0".	75 33	30 28	105 61
S. A. 12	C	139	Greene.....	1		1	R. C. Arch.....	1 @ 72' 0".	177 64	13 92	191 56
S. A. 13	B	83	Henry.....	1		1	R. C. Arch.....	1 @ 16' 0".	111 37	.....	111 37
S. A. 13	B	57	Delaware.....	1		1	R. C. Arch.....	1 @ 16' 0".	3 01	.....	3 01
S. A. 13	D	95	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0".	60 55	29 79	90 34
S. A. 13	D	96	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0".	56 03	24 81	80 84
S. A. 13	D	97	Delaware.....	1		1	R. C. Slab.....	1 @ 18' 0".	37 34	21 83	59 17
S. A. 13	H	43	Jefferson.....	1	1		R. C. Arch.....	1 @ 60' 0".	154 17	40 38	194 55
S. A. 20	A	138	Greene.....	1		1	R. C. Slab.....	1 @ 16' 0".	115 69	17 32	133 01
S. A. 30	B	134	Owen.....	1		1	R. C. Slab.....	1 @ 12' 0".	59 17	25 37	84 54
S. A. 32	B	135	Owen.....	1		1	R. C. Slab.....	1 @ 20' 0".	77 96	24 19	102 15
S. A. 32	B	147	Owen.....	1		1	R. C. Slab.....	1 @ 20' 0".	98 64	7 25	105 89
S. A. 32	B	148	Owen.....	1		1	R. C. Slab.....	1 @ 12' 0".	2 05	1 75	3 80
S. A. 32	C	136	Pumam.....	1		1	R. C. Slab.....	1 @ 12' 0".	41 82	19 57	61 09
S. A. 32	C	146	Pumam.....	1		1	R. C. Slab.....	1 @ 12' 0".	46 94	70	47 64
S. A. 33	A	84	Warren.....	1	1		Plate Girder.....	1 @ 35' 0".	323 46	3 90	403 93
S. A. 33	A	150	Warren.....	1	1		R. C. Arch.....	1 @ 60' 0".	195 09	.....	270 59
S. A. 34	B	41	Franklin.....	1	1		R. C. Arch.....	1 @ 28' 0".	27 67	.....	168 62
S. A. 34	C	40	Fayette.....	1		1	R. C. Slab.....	1 @ 16' 0".	65 72	9 15	74 87
S. A. 37	D	93	Delaware.....	1		1	R. C. Slab.....	1 @ 30' 0".	120 30	.....	129 45
S. A. 37	D	94	Delaware.....	1		1	R. C. Slab.....	1 @ 14' 0".	75 09	8 45	83 54
S. A. 37	D	133	Madison.....	1	1		R. C. Slab.....	1 @ 14' 0".	75 09	8 45	83 54

MAINTENANCE STRUCTURES

Project	Section	Structure	COUNTY	Sites Surveyed	Plans Complete	Type	Span	Engineering Costs Chargeable to Structures			Total Engineering Costs to Sept. 30, 1922
								During Fiscal Year Ending Sept. 30, 1922			
								Salary	Expense	Total	
M 2	F	123	St. Joseph.....	1	*1	Retaining Wall.....		\$71 29	\$56 49	\$127 78	\$127 78
M 3	O	149	Henry.....					4 58		4 58	4 58
M 5	B	149a	Davess.....	1	*1	R. C. Box.....	4' x 4'	100 24	7 15	107 39	107 39
M 5	B	149a	Davess.....	1	*1	R. C. Box.....	6' x 6'	71 58		71 58	71 58
M 8	D	113	Lake.....	1					4 33	4 33	4 33
M 10	E		Knox.....	1				10 20		10 20	21 76
M 11	H	33	Huntington.....	1				12 73		12 73	104 80
M 15	G	116	Laporte.....	1				97 21	47 07	144 28	144 28
M 20	C	140	Gibson.....	1	*1	R. C. Slab.....	1 @ 16' 0"	21 86	12 45	34 31	34 31
M 20	G	173	Pike.....	1					6 95	6 95	6 95
M 22	F	163	Morgan.....	1	*1	Conc Abutment for St. Truss.....	1 @ 27' 0" 2 @ 125' 0"	18 86		18 86	18 86
M 33	A		Warren.....	1					2 24	2 24	2 24
M 34	D	155	Wayne.....	1	*1	R. C. Slab.....	1 @ 16' 0"	105 81	7 75	113 56	113 56
M 44	B	115	Miscellaneous for Maintenance Division.....	1					20 76	20 76	20 76
			Totals.....	13	6			139 63	18 78	158 41	182 60
								\$653 99	\$183 97	\$837 96	\$965 78

*Constructed by Maintenance Division.

COSTS
Structures Awarded Prior to September 30, 1922
COUNTY AID STRUCTURES

Project	Section	Structure	Date of Award	Contract Payments		Value Work Done		Engineering Costs Chargeable to Structures						Total
				During Fiscal Year Ending Sept. 30, 1922	Total to Sept. 30, 1922	During Fiscal Year Ending Sept. 30, 1922	Total to Sept. 30, 1922	During Fiscal Year Ending September 30, 1922				Total Engineering Cost		
								Survey and Plans		Inspection		Total Engineering Cost		
								Salary	Expense	Salary	Expense	Salary	Expense	
*C. A. 38	1	2- 7-20	\$144,379.80	\$275,710.94	\$111,547.01	\$275,710.94	.....	.....	\$1,443.98	\$241.06	\$1,685.04	\$7,313.06	

*Located in Fountain County, contract price \$272,540.31; type R. C. Arch. Span 1 @ 138' 6", 1 @ 142' 0", 2 @ 145' 0", 1 @ 150' 0", completed May 23, 1922, Final payment not yet authorized.

COSTS

Structures Not Awarded Prior to September 30, 1922

COUNTY AID STRUCTURES

Project	Section	Structure	COUNTY	Review of Plans	Sites Surveyed	Plans Complete	Type	Span	Engineering Costs Chargeable to Structures			
									During Fiscal Year Ending Sept. 30, 1922			Total Engineering Costs to Sept. 30, 1922
									Salary	Expense	Total	
C. A. 65			Vanderburgh.....	1			(Retaining Wall..... R. C. Slab..... 6 R. C. Girder.....	400' 0" 1 @ 16' 0" 3-1 @ 30' 0"	\$3 50		\$3 50	\$23 68
C. A. 66			Vanderburgh.....	1			3 Culverts.....	3-2 @ 30' 0"	125 08		125 08	125 08
C. A. 67			Vanderburgh.....	1			R. C. Girder.....	1 @ 50' 0"	15 15		15 15	15 15
C. A. 73			Vanderburgh.....	1			2 St. Truss.....	1 @ 28' 0"	3 06		3 06	17 79
C. A. 75			Vanderburgh.....	1			(New Conc. Floor..... Steel Truss.....	1 @ 60' 0" 2 @ 247' 0"	107 39		107 39	107 39
C. A. 76			Marion.....	1	*1		2 Culverts.....	2 @ 247' 0"	111 66		111 66	173 54
C. A. 82			Dubois.....	1			6 Culverts.....	1 @ 25' 0"	39 92		39 92	39 92
C. A. 84			Dubois.....	1			(R. C. Girder..... 2 Culverts, St. Truss.....	1 @ 25' 0" 2 @ 60' 0"	16 49		16 49	16 49
C. A. 85			Dubois.....	1			Ext. R. C. Arch.....	1 @ 15' 0"	69 51		69 51	69 51
C. A. 88			Vanderburgh.....	1			2 R. C. Girders.....	2-1 @ 30' 0"	18 12		18 12	18 12
C. A. 96			Dubois.....	1			8 Culverts.....	5 @ 80' 0"	41 79		41 79	41 79
C. A. 97			Franklin.....	1			R. C. Arch.....	1 @ 198' 0"	51 46		51 46	51 46
C. A. 99		1	Clay.....	1	1		St. Truss.....	1 @ 150' 0"				
C. A. 113			Dubois.....	1			14 Structures.....	1 @ 150' 0"	539 80	75 20	615 00	615 00
C. A. 114		1	Dubois.....	1	1		St. Truss.....	1 @ 150' 0"	24 53		24 53	24 53
			Totals.....	13	3	2			72 83		72 83	72 83
									\$1,240 29	\$75 20	\$1,315 49	\$1,412 28

* Strength Survey and Report.

NOTE: Many of the above are Road Projects for which our reviews and charges are for the Bridges and Culverts only.

SUMMARY OF COSTS OF FISCAL YEAR ENDING SEPTEMBER 30, 1922.

Project	Contract Payments Warrants Issued	Work Done	Surveys and Plans			Inspection		Total Salary	Total Expense	Total Salary and Expense	No. of Structures
			Salary	Expense	Total	Salary	Expense				
F. A. Under Contract	\$241,397 56	\$273,006 06	\$8,047 49	\$834 14	\$8,681 63	\$8,858 55	\$2,571 46	\$11,430 01	\$3,205 60	\$20,111 64	55
Not Awarded.....	.....	.....	4,239 41	853 93	5,093 34	.....	.....	4,239 41	853 93	5,093 34	41
S. A. Under Contract	169,322 06	182,148 77	4,573 73	360 92	5,234 65	9,448 67	3,979 09	13,427 76	4,340 01	18,662 41	58
Not Awarded.....	.....	.....	2,991 08	624 74	3,616 42	.....	.....	2,991 08	624 74	3,616 42	36
C. A. Under Contract	144,379 80	111,547 01	.....	.....	.....	1,443 98	241 06	1,685 04	241 06	1,685 04	1
Not Awarded.....	.....	.....	1,240 29	75 20	1,315 49	.....	.....	1,240 29	75 20	1,315 49	15
Maintenance.....	.....	.....	653 99	183 97	837 96	.....	.....	653 99	183 97	837 96	14
Total Chargeable to Projects.....	.....	.....	22,046 59	2,732 90	24,779 49	19,751 20	6,791 61	26,542 81	9,524 51	51,322 30	
General.....	.....	.....	.....	.....	.....	.....	.....	16,567 16	1,092 85	17,660 01	
Totals.....	*\$410,719 62	\$566,701 84	.....	.....	.....	.....	.....	\$58,364 95	\$10,617 36	\$68,982 31	

* Total of Contract Payments does not include C. A. 38, which was paid directly by Fountain County.

REPORT OF THE TESTING DEPARTMENT

For the Fiscal Year Ending September 30, 1922

The work of the Testing Department, as it now operates, consists mainly of laboratory tests. Tests are made of materials used by the Road Department; the Bridge Department and on the samples that are submitted by the Maintenance Division. Fewer field and plant inspections were made than heretofore. The laboratory of the department has also been designated the official laboratory for tests of the new Indiana State Reformatory at Pendleton, and building materials for use there are tested when desired by the construction engineer.

TABLE 1—CLASSIFIED TESTING COSTS

CHARGES NOT DISTRIBUTED TO PROJECTS	Expense	Salary	Total
Expense—Laboratory, Field Inspection and General.....	\$734 44	.....	\$734 44
Supplies.....	725 81	.....	725 81
Depreciation of Total Equipment, 10%.....	1,305 56	.....	1,305 56
Outside Tests.....	342 50	.....	342 50
Salaries.....	.....	\$5,384 49	5,384 49
General Operating Cost.....	\$3,108 31	\$5,384 49	\$8,492 80
Equipment (\$3,722 79 Less 10% depreciation on total equipment)...	2,417 23	.....	2,417 23
Total Charges not distributed to Projects.....	\$5,525 54	\$5,384 49	\$10,910 03
CHARGES DISTRIBUTED TO PROJECTS			
Roads—Federal and State Aid.....	\$1,739 98	\$3,453 54	\$5,193 52
Roads—County Aid.....	2,312 94	723 42	3,036 36
Bridges.....	349 70	1,096 56	1,446 26
Maintenance.....	1 82	992 92	994 74
State Reformatory and Unclassified.....	74 51	384 23	458 74
Total Charges Distributed to Projects.....	\$4,478 95	\$6,650 67	\$11,129 62
Grand Total.....	\$10,004 49	\$12,035 16	\$22,039 65

NOTE—Of the total amount shown on this report and distributed in the cost of the department, \$617 21 was paid by the Motor Transport Department and \$365 04 was paid by the Main Office. The remaining amount was paid by vouchers and warrants in the usual manner.

The above amount of \$12,035.16 for salaries includes \$723.42 which is included in the County Aid, as shown by Division of Audit. Also in the item of \$1,096.56, salaries for bridges, is an item of \$11.25 which is also included in the County Aid as shown by the Division of Audit. On the different County Aid contracts, charges of the Testing Department and the Division of Audit vary, because of the difference in prorating of time. Reconciliation of the two items is shown in the table below:

PROJECTS	Deductions	Addition
All Co. Aid Roads.....	\$723 42	
C. A. 38.....	11 25	
C. A. 17.....	60	
C. A. 63.....	9 26	
C. A. 77.....	7 71	
C. A. 38.....	4 75	
C. A. 49.....	3 55	
C. A. 19.....	60	
C. A. 70.....		\$0 49
C. A. 56-A.....	4 60	
Total.....	\$765 74	\$0 49

Testing Dept.....	\$12,035 16
	49
	<hr/>
	12,035 65
	765 74
	<hr/>
Division of Audit.....	\$11,269 91

TABLE 2—COMPARISON OF TESTING COSTS

ITEM	CONSTRUCTION ESTIMATES			TESTING COSTS			PERCENTS		
	1919-1920	1920-1921	1921-1922	1919-1920	1920-1921	1921-1922	1920	1921	1922
Operating Costs including pro-rated general Expenses, Supplies, Salaries and depreciation of Equipment.									
Roads—Federal and State Aid.....	\$1,580 356 29	\$2,721,615 05	\$2,378,820 42	\$9,799 78	\$13,235 44	\$9,159 66			385
County Aid.....			1,454,575 99	1,721 77	2,852 39	5,354 89	.620	.485	.368
Bridges.....			566,532 34	*	1,317 40	2,550 32		.220	.450
Maintenance.....		597,019 43		*	543 12	1,780 60			
Reformatory and Unclassified.....						806 95			
Total.....				\$11,521 55	\$17,948 35	\$19,622 42			
Equipment—Less depreciation.....				1,750 08	6,762 98	2,417 23			
GRAND TOTAL.....				\$13,271 63	\$24,711 33	\$22,039 65			

* Included in charge against Federal and State Aid Roads.

TABLE 3—DISTRIBUTION OF TESTING EXPENSES

FEDERAL AND STATE AID ROADS

Project No.	Section	COUNTY	Type	Total Construction Estimates for Fiscal Year	Cost of Testing			Percent
					Expense	Salary	Total	
F. A. 6	A	Vigo and Clay	Concrete	\$64,904 28	.....	.....	.....	.....
F. A. 6	B	Putnam	Grading	39,107 67	.....	.....	.....	.....
F. A. 6	B	Putnam	Concrete	74,202 46	\$98 98	\$142 16	\$241 14	.21
F. A. 6	B-C	Putnam	Concrete	55,535 29	76 16	115 57	191 73	.34
F. A. 6	C	Putnam	Grading and Structure	81,649 72	76 25	92 97	169 22	.14
F. A. 6	C	Putnam	Brick	38,857 98	46 05	109 91	155 96	.29
F. A. 6	D	Vigo	Concrete	54,261 70	.....	.....	.....	.....
F. A. 7	.....	Marion	Concrete	57,078 14	.....	.....	.....	.....
F. A. 9	A	Johnson	Concrete	16,858 16	1 21	2 81	4 02	.005
F. A. 10	A	Marshall	Concrete	79,061 11	.....	.....	.....	.....
F. A. 12	B	Jackson	Concrete	89,702 05	1 21	2 81	4 02	.009
F. A. 13	A	Hancock	Concrete	46,398 95	276 87	443 01	719 88	.45
F. A. 13	A	Hancock and Henry	Concrete	157,236 34	221 96	344 83	566 79	.41
F. A. 13	C	Henry	Concrete	138,546 34	174 74	286 72	461 46	.41
F. A. 13	D	Henry	Concrete	112,886 48	14 54	33 77	48 31	.09
F. A. 14	A	Vigo	Concrete	52,840 29	270 41	401 46	671 87	.33
F. A. 15	A-B	Hendricks	Concrete	204,422 75	28 47	66 13	94 60	.07
F. A. 16	A	Lawrence	Concrete	137,140 72	9 70	26 44	36 14	.04
F. A. 16	B	Warwick	Concrete	101,633 48	3 03	10 51	13 54	.03
F. A. 16	C	Warwick	Grading and Structure	52,115 42	.....	.....	.....	.....
F. A. 16	E	Dubois	Grading and Structure	16,611 84	.....	.....	.....	.....
F. A. 16	E	Dubois	Gravel	57,537 54	3 64	9 33	12 97	.03
F. A. 16	F	Dubois	Grading and Structure	47,014 25	.....	.....	.....	.....
F. A. 17	A	Late	Concrete	3,454 79	.....	542 04	542 04	*15.71
F. A. 17	C	Porter	Concrete	65,507 54	32 32	89 21	122 53	.19
F. A. 18	A	Howard and Tipton	Concrete	60,618 86	162 94	186 22	349 16	.57
F. A. 18	B	Howard	Concrete	2,392 68	1 21	2 81	4 02	.17
F. A. 21	A	Jackson	Concrete	12,189 00	61	7 03	7 64	.06
F. A. 21	A	Jackson	Structures	60,973 43	26 65	73 09	99 74	.16
F. A. 28	A-B	Vanderburgh and Gibson	Concrete	44,452 64	15 15	33 18	50 33	.11
F. A. 30	.....	Noble	Concrete	101,191 75	24 24	58 91	83 15	.08
F. A. 31	A	Porter	Concrete	137,978 49	111 28	213 09	324 37	.23
F. A. 31	B	Porter and Laporte	Concrete	28,325 20	19 39	49 25	68 64	.24
F. A. 31	C	Laporte	Concrete	28,325 20	19 39	49 25	68 64	.24
F. A. 32	A-C	Lake	Concrete	17,731 70	5 44	12 65	18 09	.10

* NOTE: This percentage includes cost of special investigation based on estimates paid this year and not on cost of entire project.

F. A. 32	B	Lake.....	Concrete.....	\$1,390 40	\$6 26	\$20 53	\$26 79	*1.93
F. A. 32	B	Elkhart.....	Concrete.....	1,370 63	19 97	51 18	71 15	*5.19
F. A. 35	B	Sullivan.....	Concrete.....	1,750 00	6 67	15 48	22 15	*1.26
S. A. 10	H and I	Sullivan.....	Structures.....	6,688 50				
S. A. 14	1-3	Perry.....	Grading.....	17,128 03}	1 21	2 81	4 02	.01
S. A. 14	4-7	Perry.....	Grading.....	18,153 80}				
S. A. 15	A-1	Cass.....	Paving.....	10,222 26	2 42	5 63	8 05	.08
S. A. 34	C-1	Fayette.....	Concrete.....	6,490 50				
		Total.....		\$2,373,613 19	\$1,739 98	\$3,453 54	\$5,193 52	.218
		Pro rata Share of General Expense.....					3,966 14	.167
							\$9,159 66	.386

* Note: This percentage computed with small estimates. Cost includes tests of Material not yet used.

TABLE 3.—DISTRIBUTION OF TESTING EXPENSE

COUNTY AND ROADS

Project No.	Section	COUNTY	Type	Total Construction Estimates for Fiscal Year	COST OF TESTING			Percent
					Expense	Salary	Total	
8		Howard	Concrete	**	\$17 57	\$40 80	\$58 37	.002
17		Marion	2-C Concrete	\$97,000 00	61	1 40	2 01	.002
19		Marion	2-C Concrete	106,240 00	61	1 40	2 01	.002
29		Delaware	Bit. Macadam	4,631 80	88 88		88 88	
35		Marshall	Asphalt	Completed 1921				
47		Morgan	Asphalt	16,730 00				
49		Hamilton	Concrete	75,000 00	3 63	8 45	12 08	.02
55		Noble	Concrete and Gravel	94,908 37	31 29	31 66	62 95	.07
56	A	Noble	Concrete	82,227 00	53 09	43 89	96 98	.12
56	B	Noble	Concrete	83,935 00	36 33	66 16	102 49	.11
58		Lake	Asphalt Macadam	Completed 1921	1,224 65		1,224 65	
63		Clinton	Concrete	145,078 68	11 51	26 74	38 25	.03
64		Vanderburgh	Bit. Concrete	18,859 04	15 16	40 65	55 81	.30
65		Vanderburgh	2-C Concrete	7,353 41	6 06	14 07	20 13	.27
67		Vanderburgh	Asphalt	8,463 03	3 03	7 83	10 86	.13
70		Monroe	W. B. Macadam	23,520 00		2 49	2 49	.01
71		Miami	Asphalt Macadam	72,290 00	484 61		484 61	.67
72		Clinton	Brick	147,843 00				
75		Vanderburgh	Bit. Concrete	8,192 79	1 82	8 68	10 50	.13
77		Clinton	Concrete	38,000 00	7 88	18 29	26 17	.07
78		Pulaski	Gravel	7,300 00				
80		Floyd	W. B. Macadam—Reconstruction	41,400 00				
81		Crawford	W. B. Macadam	*				
86		Spencer	Gravel	48,561 89				
87		Noble	2-C Concrete		51 47	31 66	83 13	
90		Floyd	S. Stone Base, Gravel Surface	6,525 00		3 19	3 19	.05
94		Clinton	2-C Concrete	229,351 78	206 51	227 42	433 93	.19
95		Lawrence	W. B. Macadam	1,667 20				
103		Wabash	Asphalt	29,780 00	56 11	111 95	168 06	.57
105		Hamilton	Concrete	20,450 00	4 85	17 22	22 07	.11
108		Wabash	Ky. Rock Asphalt	51,000 00				

TABLE No. 3.—DISTRIBUTION OF TESTING EXPENSE
BRIDGES

Project No.	Section	Structure No.	County	Type	Total Construction Estimates for Fiscal Year	Cost of Testing			Percent
						Expense	Salary	Total	
F. A. 6	B	28	Putnam	St. Truss	\$870 16	\$9 05	\$27 30	\$36 35	.17
F. A. 6	B	32	Putnam	R. C. Arch.	21,244 45	3 03	15 74	18 77	.17
F. A. 6	C	29	Putnam	St. Truss	11,065 77	61	8 29	8 90	1.14
F. A. 6	D	4	Vigo	R. C. Arch.	779 50	1 82	9 93	11 75	.22
F. A. 12	B	9A	Jackson	Deck St. Girder	5,304 89		5 53	5 53	.11
F. A. 13	B	16	Hancock	Wood Bl. Floor	4,976 15		3 93	3 93	.22
F. A. 13	B	19	Hancock	Truss Repairs	1,793 76		3 93	3 93	.18
F. A. 13	B	29	Hancock	St. Truss	2,223 76	2 42	5 63	8 05	.11
F. A. 13	C	12	Henry	R. C. Arch.	7,087 79	1 82	4 22	6 04	.06
F. A. 13	C	20	Henry	R. C. Slab	9,431 56	1 21	2 82	4 03	.07
F. A. 13	C	45	Henry	R. C. Arch.	5,840 85	1 82	16 01	17 83	.14
F. A. 13	D	25	Henry	St. Truss	12,776 58		1 78	1 78	.76
F. A. 14		9	Vigo	R. C. Arch.	14,793 69	1 21	5 49	6 70	.45
F. A. 15	A	7	Hendricks	R. C. Arch.	52 80				
F. A. 15	A	29	Hendricks	R. C. Slab	20,395 30	2 42	6 52	8 94	.04
F. A. 15	B	31	Hendricks	R. C. Girder	2 25		89	89	39.50
F. A. 15	B	34	Hendricks	R. C. Arch.	1,489 78	61	3 18	3 79	.25
F. A. 15	B	41	Hendricks	R. C. Slab	3,933 30	1 21	2 82	4 03	.10
F. A. 16	B	22	Warrick	R. C. Arch.	858 75	61	2 65	3 26	.38
F. A. 16	B	72	Warrick	R. C. Arch.	188 20				
F. A. 16	D	1	Spencer	St. Truss	7,559 89	61	3 18	3 79	.05
F. A. 16	D	8	Spencer	Sub Structure	1,714 16	61	2 29	2 90	.17
F. A. 16	D	16	Spencer	R. C. Girder	1,823 30	61	2 29	2 90	.16
F. A. 16	D	20	Spencer	R. C. Arch.	2,378 14	61	4 03	4 64	.20
F. A. 16	D	26	Spencer	R. C. Girder	2,503 20	61	2 29	2 90	.12
F. A. 16	D	27	Spencer	Sub Structure	2,510 30		89	89	.04
F. A. 16	E	27	Dubois	R. C. Girder	2,779 85	61	1 40	2 01	.07
F. A. 16	E	28	Dubois	R. C. Arch.	4,766 10				
F. A. 16	F	35	Dubois	R. C. Girder	5,372 80				
F. A. 16	F	42	Dubois	R. C. Arch.	5,911 60				
F. A. 16	G	3	Dubois	R. C. Girder	2,396 44	61	6 17	6 78	.28
F. A. 16	G	9	Dubois	R. C. Slab	739 20	61	2 55	3 26	.44
F. A. 16	G	17	Dubois	R. C. Slab	678 40		1 25	1 25	.18
F. A. 16	I	25	Orange	R. C. Arch.	18,747 86	2 42	9 55	11 97	.06
F. A. 17	C		Porter	R. C. Arch.	18,972 62	1 82	18 85	20 67	.11

F. A. 24	D	Hamilton	St. Truss	\$7,132 12	\$1 21	\$13 35	\$14 56	20
F. A. 29	44	Knox and Gibson	St. Truss	61,672 19	9 05	52 26	61 31	10
S. A. 2	30	Noble	St. Truss	4,902 87	1 82	14 21	16 03	33
S. A. 4	141	Noble	St. Truss	2,988 60	1 82	6 89	8 71	29
S. A. 5	25	Knox	Truss	2,199 46	1 21	7 28	8 49	39
S. A. 6	42	Ripley	R. C. Arch	3,594 59	1 21	9 71	10 92	30
S. A. 8	50	Decatur	St. Truss	847 82				
S. A. 10	112	Lake	R. C. Box	560 44	61	5 86	6 47	15
S. A. 12	12	Gibson	St. Truss	6,130 60	3 03	24 71	27 74	45
S. A. 14	24	Grant	R. C. Slab	4,158 40	1 21	8 48	9 69	23
S. A. 16	32	Morgan	St. Truss	8,135 90	1 82	12 42	14 24	17
S. A. 18	28	Henry	St. Truss	5,410 00		7 86	7 86	14
S. A. 20	51	Henry	R. C. Slab	1,172 54	2 42	6 52	8 94	76
S. A. 22	15	Pulaski	St. Truss	1,993 80	1 21	8 48	9 69	49
S. A. 24	15	Pulaski	St. Truss	3,759 39	61	5 33	5 94	16
S. A. 26	16	Pulaski	St. Truss	5,384 03	61	7 07	7 68	14
S. A. 28	17	Adams	St. Truss	4,708 79	61	1 40	2 01	04
S. A. 30	20	Wayne	St. Truss	16,598 65	61	19 79	20 40	12
S. A. 32	47	Morgan	R. C. Slab	889 60	1 82	18 04	19 86	24
S. A. 34	18	Morgan	R. C. Arch	9,540 96	1 21	9 42	10 63	11
S. A. 36	6	Jackson	Truss	19,466 72	61	13 18	13 79	07
S. A. 38	21	Jennings	St. Truss Sub	17,788 37	1 21	24 06	25 27	14
S. A. 40	89	Greene	R. C. Arch	3,423 08	1 21	10 49	11 70	34
S. A. 42	27	Putnam	Wood Bl. Floor	9,447 37		24 46	24 46	26
S. A. 44	117	Putnam	R. C. Girder	4,761 30	3 03	14 13	17 16	36
S. A. 46	118	Putnam	R. C. Slab	2,192 56	1 21	10 76	11 97	30
S. A. 48	120	Putnam	R. C. Slab	2,297 42	61	2 29	2 90	13
S. A. 50	121	Putnam	R. C. Slab	3,046 69	1 82	10 42	12 24	53
S. A. 52	119	Putnam	R. C. Slab	3,785 30	2 42	6 52	8 94	138
S. A. 54	14	Franklin	R. C. Arch	5,309 70				
S. A. 56	38	Dearborn	R. C. Arch	3,718 28	1 82	17 20	19 02	36
S. A. 58	39	Franklin	R. C. Arch	4,549 34	1 82	20 17	21 99	59
S. A. 60	86	Fayette	St. Girder Repairs	1,546 14	2 42	35 62	38 04	84
S. A. 62	42	Wayne	Wood Block Floor	725 15				
S. A. 64	87	Howard	R. C. Culvert	1,110 85	61	13 36	13 97	193
S. A. 66	88	Howard	R. C. Culvert	4,634 29	61	2 29	2 90	26
S. A. 68	44	Switzerland	R. C. Slab	6,226 80	1 21	11 38	12 59	27
S. A. 70	45	Switzerland	St. Truss	2,827 12	61	14 78	15 39	25
S. A. 72	31	Whitley	St. Truss	1,444 72	61	13 53	14 14	50
S. A. 74	105	Lake	R. C. Slab	2,188 15		14 63	14 63	101
S. A. 76	107	Lake	W. B. Floor			62 29	62 29	284
S. A. 78		Fountain		111,547 01	4 84	11 25	16 09	14
C. A. 38	1							

TABLE No. 3. DISTRIBUTION OF TESTING EXPENSE
BIDDERS

Project No.	Section No.	Structure No.	COUNTY	Type	Total Construction Estimates for Fiscal Year	Cost of Testing			Percent
						Expense	Salary	Total	
F. A. 16	H	A	Orange.....	(Test Cores taken for Abut. and Pier Foundations.)	.....	101 64	107 69	209 33	.....
F. A. 16	H	14	Orange.....		.....	82 67	85 82	168 49	.....
F. A. 16	H	55	Lawrence.....		.....	65 43	67 32	132 75	.....
BRIDGE DEPARTMENT GENERAL.....					.....	4 24	82 34	86 58	.....
TOTAL.....					\$566,532 34	\$349 70	\$1,096 56	\$1,446 26	.255
Pro rata Share of General Expense.....					.....	.....	.....	1,104 06	.195
TOTAL.....					.....	.....	.....	\$2,550 32	.450

DISTRIBUTION OF TESTING EXPENSE

TABLE 3—SUMMARY

ITEM	Total Construction Estimates for Fiscal Year	COST OF TESTING			Percent
		Expense	Salary	Total	
Roads—Federal and State Aid.....	\$2,378,820 42	\$1,739 98	\$3,453 54	\$5,193 52	.218
Pro rata share General Expense.....				3,966 14	.167
Total.....				9,159 66	.385
Roads—County Aid.....	1,454,575 99	2,312 94	723 42	3,036 36	.209
Pro rata share General Expense.....				2,318 53	.159
Total.....				5,354 89	.368
Bridges.....	566,532 34	349 70	1,096 56	1,446 26	.255
Pro rata share General Expense.....				1,104 06	.195
Total.....				2,550 32	.450
Maintenance.....		1 82	992 92	994 74	
Pro rata share General Expense.....				755 86	
Total.....				1,750 60	
State Reformatory and Unclassified.....		74 51	384 23	458 74	
Pro rata share General Expense.....				384 21	
Total.....				806 95	
General Expense.....		3,108 31	5,384 49		
Equipment Charge.....		2,417 23		2,417 23	
GRAND TOTAL.....		\$10,004 49	\$12,035 16	\$22,039 65	

TABLE 4—TESTS

	1921			1922—Fiscal Year									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Samples Received—													
Cement.....	190	39	12	1	4	56	174	206	317	367	403	437	2,206
Sand.....	7			1			2	9	11	13	9	7	59
Coarse Aggregate.....	5	1		5	3		6	10	12	8	15	6	87
Road Gravel.....	47	9	6	5	21	23	8	10	15	12	10	3	169
Stone.....	8	5		5			9	4	8	11	3	6	71
Steel.....	21	10	8	3			13	28	35	36	30	9	193
Tars, Asphalts etc.....	8	4	3	3	2		5	7	10	19	9	39	109
Cores.....			97		53				20	11	83	172	450
Miscellaneous.....	7	22	5	1	1	1	2	15	10	11	3	2	66
Total.....	293	90	131	24	84	95	218	295	437	487	569	687	3,410
Tests Made—													
Cement.....													
Normal Consistency.....	185	38	12	1	3	56	168	204	317	365	398	463	2,210
Time of setting.....	185	38	12	1	3	56	168	204	317	363	398	453	2,198
Fineness.....	198	48	12	1	3	58	177	217	336	376	453	542	2,421
Soundness.....	192	38	12	1	3	46	168	208	295	385	401	453	2,202
Briquettes Made.....	1,260	306	144	84	42	414	1,164	1,379	2,034	2,319	2,526	2,724	14,396
Briquettes broken.....	1,340	930	267	66	61	102	799	1,333	1,560	2,241	2,601	2,580	13,880
Miscellaneous.....				6									6
Total.....	3,360	1,398	459	160	115	732	2,644	3,545	4,859	6,049	6,777	7,215	37,313

TABLE 4—TESTS—Continued

	1921			1922—Fiscal Year									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Aggregates—													
Sand.....													
Sieve Analysis.....	6	1		2			1	9	11	14	10	5	59
Silt.....	6	1		1			1	8	11	13	12	3	56
Colorimetric.....	6			1			1	8	13	12	9	6	56
Briquettes Made.....	36	6		12			12	54	60	84	54	36	354
Briquettes Broken..	33	21		3	6		3	12	66	61	42	30	277
Total.....	87	29		19	6		18	91	161	184	127	80	802
Coarse Aggregates—													
Screen Analysis.....	8			4	3	2	13	6	17	15	15	5	88
Miscellaneous.....				8	6	8	34	4	15	14	19	7	115
Total.....	8			12	9	10	47	10	32	29	34	12	203
Road Gravel—													
Screen Analysis.....	23	32	7	6	21	24	8	9	14	12	12	4	172
Silt.....	13	29	10	8	22	25	9	8	14	12	9	4	163
Abrasion.....	2	13	31	15	27	40	5	5	9	16	6	3	172
Cementing Value.....					27	38	32	13	11	14	11	4	150
Total.....	38	74	48	29	97	127	54	35	48	54	38	15	657
Stone—													
Abrasion.....	10	6	1	2	3	5	3	4		5	6	4	49
Cementing Value.....					4	4	5	3		2	4	2	24
Screen Analysis.....										8	3		11
Miscellaneous.....	11	10	2	2	5	2	6	14	2	9	1		64
Total.....	21	16	3	4	12	11	14	21	2	24	14	6	148
Total Aggregate Tests	154	119	51	64	124	148	133	157	243	291	213	113	1,810
Steel—													
Tensile.....	18	10	7	3			10	26	29	43	31	7	184
Bend.....	13	10	20	3			11	33	29	48	31	7	210
Miscellaneous.....													
Total.....	35	20	27	6			21	59	58	91	62	14	394
Tars, Asphalts, etc.—													
Miscellaneous.....	58	35	9	28	20		35	35	45	78	50	475	818
Cores—													
Length.....			111		53								164
Sp. Gr.....			111		53	1							165
Absorption.....			111		53	1							165
Compression.....			86	19			38	10					153
Miscellaneous.....				19									19
Total.....			419	38	159	2	38	10					666
Miscellaneous Tests—													
Total.....	11	22	25	14	9	2	7	30	36	14		14	188
Sum Total.....	3,619	1,594	990	310	427	884	2,878	3,840	5,241	6,523	7,102	7,831	41,239
REPORTS ISSUED—													
Cement.....	565	332	766	11	7	65	389	590	757	1,064	1,197	1,208	6,251
Sand.....	18	6	1	1	2		1	4	25	27	29	14	118
Coarse Aggregate.....	12	1		2	2	5	12	3	13	14	26	2	92
Road Gravel.....	10	10	13	28	14	31	7	5	7	18	17	2	162
Stone.....	8	6	1		4	2	6	7		4	6	3	47
Steel.....	21	10	6	3			5	27	35	45	30	9	191
Tars, Asphalts, etc.....	5	4	2	3	2		5	3	6	11	12	12	65
Cores.....				1				1	1				3
Miscellaneous.....	4	7	8	1	1	1	2	12	10	6	9		61
Total.....	643	376	97	50	32	104	427	652	854	1,189	1,326	1,250	6,990

TABLE 5—TESTS—Continued

	Daily Totals		Monthly Totals		Total
	Maximum	Average	Maximum	Average	For Year
Samples Received—					
Cement.....	42	7.18	437	184.00	2,206
Sand.....	3	.19	13	4.92	59
Coarse Aggregate.....	5	.28	16	7.25	87
Road Gravel.....	20	.55	47	14.10	169
Stone.....	8	.23	12	5.92	71
Steel.....	9	.63	36	16.11	193
Tars, Asphalts, etc.....	5	.36	39	9.09	109
Cores.....	172	1.47	172	37.51	450
Miscellaneous.....	14	.22	22	5.49	66
Total.....	183	11.11	687	284.20	3,410
Cement—					
Normal Consistency.....	39	7.20	463	184.10	2,210
Time of Setting.....	37	7.16	453	183.10	2,198
Fineness.....	59	7.89	542	201.90	2,421
Soundness.....	33	7.18	453	183.80	2,202
Briquettes Made.....	180	46.90	2,724	1,199.00	14,396
Briquettes Broken.....	162	45.20	2,601	1,154.00	13,880
Miscellaneous.....	6	.02	6	.50	6
Total.....	416	121.56	7,215	3,111.00	37,313
Sand—					
Sieve Analysis.....	3	.19	14	4.92	59
Silt.....	3	.18	13	4.67	56
Color.....	3	.18	13	4.67	56
Briquettes Made.....	24	1.15	84	29.50	354
Briquettes Broken.....	13	.90	60	23.10	277
Total.....	32	2.61	184	66.91	802
Coarse Aggregate—					
Screen Analysis.....	4	.29	17	7.34	88
Abrasion.....	6	.37	34	9.58	115
Miscellaneous.....	6	.66	47	16.91	203
Total.....	6	.66	47	16.91	203
Road Gravel—					
Screen Analysis.....	5	.56	32	14.34	172
Silt.....	5	.53	29	13.59	163
Abrasion.....	4	.56	40	14.34	172
Cementing Value.....	2	.49	38	12.50	150
Total.....	11	2.14	127	54.75	657
Stone—					
Screen Analysis.....	4	.04	8	.92	11
Abrasion.....	4	.16	6	4.08	49
Cementing Value.....	2	.08	5	2.00	24
Miscellaneous.....	9	.21	14	5.33	64
Total.....	13	.48	24	12.33	148
Total Aggregate Tests.....	45	5.90	291	150.83	1,810
Steel—					
Tension.....	9	.60	43	15.33	184
Bending.....	14	.68	48	17.50	210
Total.....	21	1.28	91	32.85	394
Tar, Asphalts, etc.—					
Miscellaneous.....	33	2.66	475	68.08	818
Cores—					
Length.....	38	.53	111	13.68	164
Sp. Gr.....	36	.54	111	13.75	165
Absorption.....	36	.54	111	13.75	165
Compression.....	33	.50	86	12.75	153
Miscellaneous.....	4	.06	10	1.58	19
Total.....	72	2.17	419	55.50	666

TABLE 5—TESTS—Continued

	Daily Totals		Monthly Totals		Total
	Maximum	Average	Maximum	Average	For Year
Miscellaneous Tests—					
Total.....	10	.61	36	15.68	188
SUM TOTAL.....	430	134.20	7,831	3,436.58	41,239
Reports Issued—					
Cement.....	80	20.40	1,208	521.00	6,251
Sand.....	7	.38	29	9.84	118
Coarse Aggregate.....	7	.30	26	7.66	92
Road Gravel.....	18	.53	31	13.50	162
Stone.....	5	.15	8	3.92	47
Steel.....	14	.62	45	15.90	191
Tars, Asphalts, etc.....	7	.21	12	5.41	65
Cores.....	2	.01	1	.25	3
Miscellaneous.....	4	.20	12	5.08	61
Total.....	80	22.79	1,326	582.50	6,990

REPORT OF THE DIVISION OF MAINTENANCE

Year Ending September 30, 1922

A. H. HINKLE, Superintendent of Maintenance.

ORGANIZATION

During the year the boundaries of various districts and sub-districts have been changed in many places so as to make six districts and thirty-one sub-districts instead of five districts and twenty-seven sub-districts as prevailed last year. This increase in the number of districts and sub-districts was made necessary because our field men had more territory to cover than they could effectively care for. The taking over by the commission of additional roads has added to the necessity of a greater number of districts and sub-districts. The districts and sub-districts together with the miles of road in each district and sub-district, are shown in the following table:

DISTRICT	SUB-DISTRICT	Miles of Road in Sub-District
Vincennes.....	Vincennes.....	93.1
	Linton.....	96.1
	Evansville (Princeton).....	97.3
	Dale.....	111.5
	Paoli.....	121.9
	Total.....	519.9 Miles
Seymour.....	Bloomington (Martinsville).....	109.4
	Seymour.....	122.8
	New Albany.....	109.9
	Columbus.....	137.9
	Aurora.....	97.4
	Total.....	577.4 Miles

DISTRICT	SUB-DISTRICT	Miles of Road in Sub-District
Greenfield.....	Greenfield.....	121.3
	Cambridge City (Connersville).....	125.3
	Muncie.....	109.3
	Portland (Winchester).....	102.0
	Tipton (Anderson).....	108.7
	Indianapolis.....	113.4
	Total.....	680.0
Crawfordsville.....	Fowler.....	93.3
	Crawfordsville.....	122.1
	Lebanon.....	112.5
	Terre Haute.....	71.3
	Greencastle.....	115.3
	Total.....	514.5
Monticello.....	Monticello.....	117.1
	La Porte.....	106.6
	Valparaiso.....	91.7
	Rensselaer.....	96.6
	Plymouth.....	100.7
	Total.....	512.7
Ft. Wayne.....	Ft. Wayne.....	99.3
	Kendallville.....	97.0
	Warsaw.....	84.3
	Goshen.....	89.8
	Wabash.....	105.1
	Total.....	475.5
	GRAND TOTAL.....	3,280.0

The map on page 1010 shows the boundaries of the various districts and sub-districts as existed September 30, 1922.

At the close of the year the Maintenance Division was employing six district engineers, thirty-one superintendents, forty-six foremen, two hundred and twenty-seven patrolmen, thirty-six mechanics and about three thousand laborers.

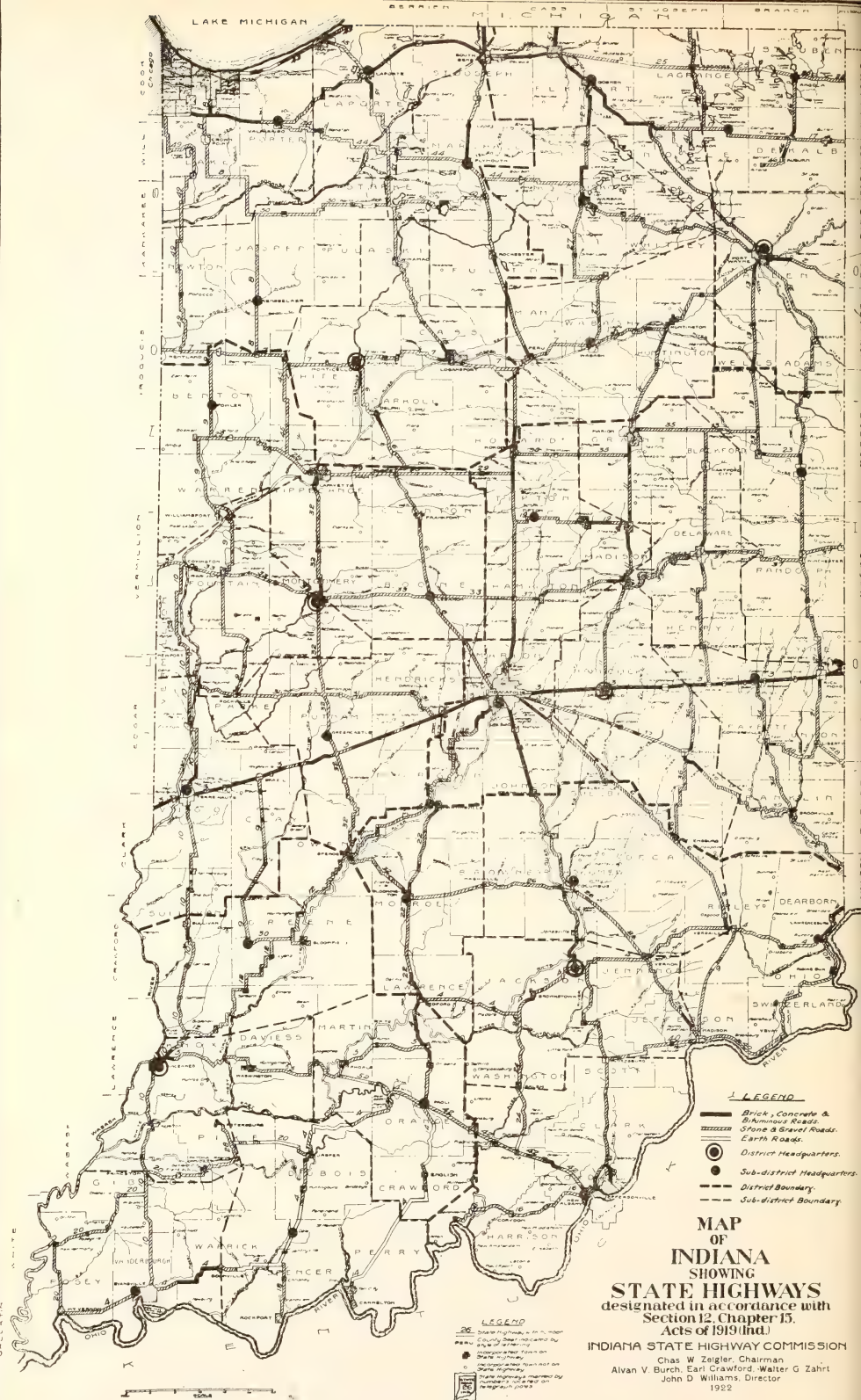


TABLE NO. 1. SHOWING TYPES OF SURFACES
MILES OF DIFFERENT TYPES OF SURFACES

Road	Brick	Cement Concrete	Bituminous Concrete	Bituminous Macadam	Surface Treated Macadam	Traffic and Water Bound Macadam	Gravel	Gravel on Stone Base	Earth	New Location Earth	Total Length Outside of Towns	Miles Inside of Towns Unclassified	Total Length in Miles
1	0.45	48.58	12.55	.....	1.00	25.35	142.35	.....	.....	.....	230.28	34.35	264.63
2	14.70	46.40	.....	.....	11.80	37.70	30.30	.....	.....	.....	141.40	30.30	171.70
3	4.80	98.85	.....	.....	4.37	6.89	8.14	.....	.....	.....	123.05	28.25	151.30
4	.....	25.00	.....	2.50	3.10	64.45	55.60	40.00	29.30	.....	219.95	22.35	242.30
5	.....	1.60	.....	.....	.....	29.50	18.30	12.40	.....	.....	61.80	7.20	69.00
6	0.45	9.70	.....	2.80	.....	67.50	82.47	.....	1.30	.....	164.20	17.60	181.80
7	.....	.....	.....	2.50	.....	38.30	63.10	.....	.....	.....	103.90	14.35	118.25
8	.....	.....	.....	.....	.....	46.50	7.00	.....	6.00	.....	62.00	7.50	69.50
9	.....	.....	.....	.....	.....	10.30	70.00	.....	.....	.....	80.30	6.30	86.60
10	4.90	4.80	.....	.30	.....	2.80	99.60	31.90	6.50	.....	150.80	17.70	168.50
11	.....	6.80	.....	2.70	.....	20.70	57.50	.....	.....	.....	87.70	12.90	100.60
12	.....	.....	.....	.....	.....	10.20	57.00	18.10	.....	.....	85.30	6.20	91.50
13	4.30	.....	.....	2.50	1.25	34.75	48.30	.....	.....	.....	91.10	12.80	103.90
14	.....	.....	.....	.....	.....	9.80	.....	1.90	29.90	19.00	60.60	4.10	64.70
15	0.19	.....	.....	.....	5.70	48.00	26.21	4.00	.....	.....	80.10	9.30	89.40
16	.....	.....	.....	.....	.....	31.10	.....	.....	.....	.....	35.10	2.90	38.00
17	2.70	.....	.....	.....	.....	.....	37.70	.....	.....	.....	40.40	3.90	44.30
18	.....	.....	.....	.....	.....	.....	12.90	.....	.....	.....	12.90	.....	13.80
19	.....	4.00	.....	.....	.....	.....	18.30	.....	.....	.....	22.30	3.00	25.30
20	.....	.....	.....	.....	.....	9.20	26.70	20.40	17.70	2.00	76.00	8.20	84.20
21	2.50	.....	.....	.....	3.87	39.90	47.88	.....	.....	.....	94.15	15.00	109.15
22	3.30	1.55	2.90	7.20	3.00	25.90	24.70	2.20	.....	.....	70.75	9.50	80.25
23	.....	.50	.....	.....	.....	.....	12.30	.....	.....	.....	12.80	.80	13.60
24	.....	.....	.....	.....	.....	3.60	16.70	9.10	2.00	.....	31.40	1.70	33.10
25	.....	.....	.....	.....	.....	.....	30.30	.....	2.50	4.50	37.30	2.00	39.30
26	.....	3.65	.....	4.20	.....	20.50	31.59	5.55	13.80	.....	79.29	6.90	86.19
27	3.10	3.00	.....	3.00	.....	2.00	44.20	.....	.....	.....	55.30	6.10	61.40
28	.....	.....	.....	.....	.....	8.40	.....	.....	.....	.....	8.40	.30	8.60
29	.....	.50	.....	.....	.....	2.50	61.20	.....	.....	.....	64.20	5.50	69.70
30	.....	90	.....	.....	.....	.....	7.50	.....	.....	.....	8.40	.....	9.10
31	.....	.....	.....	.....	.....	6.60	47.30	.....	.....	.....	53.90	4.30	58.20
32	1.00	2.30	.....	2.20	2.00	41.70	39.30	4.00	.....	.....	102.50	10.00	112.50
33	.....	.....	.....	.....	.....	2.50	53.40	.....	.....	.....	55.90	7.45	63.35
34	.....	.....	.....	.....	.....	.....	42.75	.....	.....	.....	43.80	4.40	48.20
35	.....	1.05	.....	.25	.....	6.20	29.95	.....	2.00	.....	38.40	5.10	43.50
36	.....	1.50	.....	.....	.....	19.70	12.50	.....	.....	.....	33.70	2.15	35.85

TABLE No. 1—Continued.

Road	Brick	Cement Concrete	Bituminous Concrete	Bituminous Macadam	Surface Treated Bound Macadam	Traffic and Water Bound Macadam	Gravel	Gravel on Stone Base	Earth	New Location Earth	Total Length Outside of Towns	Miles Inside of Towns Unclassified	Total Length in Miles
37	1.30	5.30	.50	1.50	7.10	5.50	52.45				66.55	11.20	77.75
38												1.20	8.30
39	.40	5.60	3.00			9.10	44.40				7.10	5.70	68.20
40						15.10	41.50	6.50			62.50	5.20	68.30
41							26.20				63.10	2.90	69.10
42					8.10	28.70					26.20	41.80	29.10
43		2.70			.40	1.20				22.00	36.80	5.00	41.80
44		.40		3.93		26.47	69.84				26.30	24.70	51.00
45						5.00	14.40				100.70	12.10	112.80
46		1.40		.30			18.60				19.40		19.40
48		1.50					20.70				20.30	4.60	24.90
49						54.50					22.90	2.30	24.50
50				.90		22.40	16.40		4.20	3.00	54.50	16.00	70.50
51									3.97		46.90	2.70	49.60
52						7.00		3.20	3.80		3.97	1.20	5.17
TOTALS...	44.07	277.64	18.95	39.28	51.69	847.51	1,608.03	159.25	122.97	50.50	3,279.89	420.70	3,706.59

In Table 1-A is given the miles of different types of surfaces by district.

TABLE 1-A—MILES OF DIFFERENT TYPES OF SURFACES BY DISTRICT

District	Brick	Cement Concrete	Bituminous Concrete	Bituminous Macadam	Surface Treated Macadam	Traffic and Water Bound Macadam	Gravel	Gravel on Stone Base	Earth	New Location Earth	Total Length
Vincennes.....	1.90	27.80				121.60	157.2	105.90	84.20	21.00	519.90
Crawfordsville.....	9.23	40.03		1.10		82.09	375.01	4.00	3.00		514.46
Ft. Wayne.....	20.00	33.36	0.50	6.60	1.25	73.95	328.84		6.47	4.50	475.47
Greenfield.....	8.85	118.47	13.75	9.55	8.24	93.10	426.03		2.00		679.99
Monticello.....	1.69	34.40	4.70	11.83	17.90	249.07	157.91		10.20	25.00	512.70
Seymour.....	2.40	23.58		9.90	24.30	227.70	223.04	49.35	17.10		577.37
TOTAL.....	44.07	277.64	18.95	39.28	51.69	847.51	1,608.03	159.25	122.97	50.50	3,706.59

REMOVING OF ADVERTISING SIGNS FROM THE HIGHWAY

In accordance with the resolutions passed by the State Highway Commission directing that advertising signs be removed from within the rights-of-way of the state roads, all advertising signs have been taken down within the rights-of-way. These signs had become so numerous in places as to greatly interfere with mowing the weeds and opening up of ditches and doing other necessary maintenance and repair work. Where widening of roadbed was in progress, these signs have greatly interfered with our work. The beautiful forest trees along the highways had become so plastered over with signs that their natural beauty was greatly defaced. While considerable objection was raised to this removal of signs at first, almost all opposition was eliminated, due to the fact that all concerns owning signs were given a year's lee-way to take them down. In some cases disputes have arisen because of the uncertainty of the right-of-way line. Most concerns, however, are public spirited enough not to permit this uncertainty to interfere with the improving of the looks and convenience of our highways which was brought about by the removal of the signs.

TRAFFIC AND GENERAL CONDITION OF ROADS

Traffic continues to increase on our state roads at a rapid rate. The traffic census of State Road 22, between Indianapolis and Martinsville, records for a three-day period, an average traffic per day of ten hours: 89 trucks, 809 automobiles, 49 horse-drawn vehicles and 8 motorcycles. Inasmuch as this record is for a period of only ten hours the total amount of traffic in a twenty-four-hour period would be perhaps 25 per cent greater. A count of the traffic on State Road 1 north of South Bend, shows over 9,000 vehicles passing over the road in a twelve-hour period. The records of the Automobile Department of the State indicate a probable increase in motor vehicles of 18 per cent over 1921. 1921 showed an increase of 20 per cent over 1920 and 1920 showed an increase of 20 per cent over 1919.

Regular truck routes for hauling express and light freight have been established in many places. While these truck routes are mostly hauling produce that formerly was hauled by the railroad and interurban lines, in many places they have opened up new fields of transportation. About 70 per cent of all the live stock that now comes to the Indianapolis live stock market is brought by truck, while but a few years ago it practically all came in by the steam or interurban railroad. Nearly all of the live stock within a distance of fifty miles is now trucked direct to the stock yards and it is not unusual to find a truck load of live stock hauled to the stock yards for a distance as far away as 100 miles. Milk is regularly hauled by truck to Indianapolis from as far as Columbus, a distance of forty-two miles. Many factory products are hauled regularly by motor truck between Muncie and Connersville, a distance of sixty miles. This is no exception to the truck traffic between other towns in the state. It is estimated that the moving of household goods amounts to 90 per cent by motor truck for a distance within a sixty-mile haul—60 per cent within 100 miles and 25 per cent

within 150 miles. Many motor truck loads of household goods go each week from Indianapolis to Cleveland and Cleveland to Indianapolis. Round trips between these cities are made in six days. It is not unusual to see truck loads of household goods going from Indianapolis to St. Louis.

Bus lines have sprung up all over the state which are now in competition in carrying passenger traffic with the steam roads and electric lines. About 120 bus line companies now make regular schedule over a distance of about 3,000 miles of country roads, or a total mileage of 16,000 vehicle miles per day. Of this amount, 2,600 miles or 87 per cent is over the state highway system. The average fare charged for this service to passengers is about 3.42 cents per mile. In many cases, the cost of transportation on the highways by bus lines is less than the charge by electric railroad, which in turn is less than by steam railway.

The operation of motor trucks and bus lines in this state in great numbers, is the best indication that the roads are as suitable for this traffic as any place in the United States. While in some places they have more miles of the first-class roads, there is perhaps no agricultural district where the roads are more suitable for average transportation and in better condition than in a large portion of Indiana. Highway traffic will naturally develop only where the roads are satisfactory for it. No better proof of the value of systematic maintenance of roads is available than the fact that 87 per cent of the bus-line traffic is carried on the state roads.

The constantly increasing amount of traffic over the highways is placing an increased burden on them which must be met as time goes on by increased expenditures and to a certain extent by more efficient expenditures for the construction and upkeep of the highways. While during the spring of 1921, gravel and stone roads did not break up so badly, during the spring of 1922, many miles of the gravel roads broke up under the heavy traffic during the spring thaws. The condition in the spring of 1922 was made much worse than the preceding year, because of the continued heavy rains during the fall and winter preceding. The gravel roads froze up thoroughly saturated, which caused them to soften much worse when the thaw came. Where there was sufficient depth of gravel or stone on the roads, they usually did not remain in bad condition long. Many miles of our gravel roads still have insufficient amount of gravel to carry heavy traffic during the thawing season. The spring of 1922, which was perhaps one of the worst which could exist for gravel and stone roads, well illustrates the importance of having on the road a sufficient depth of metal. Where the gravel is of a proper grade and amount, the wet season of the year is not so objectionable as is the dry season from the viewpoint of the value of the gravel road.

A long-continued dry period such as prevailed the past summer makes the gravel roads more of a problem to maintain in good condition under heavy traffic than does the average wet season. While our gravel roads all during the dry period might be said to be fair for traffic, they became very dusty and the gravel that was newly spread remained loose upon the surface for a long period and in many places the gravel ap-

plied the year before raveled and had the appearance of gravel applied this year. Their condition, together with the cost of upkeep, however, well illustrates the importance of caring for them even better than they were taken care of this past year until finances and other conditions are more favorable toward building on the heavily traveled roads a more stable type of road surface.

Owing to the large maximum load permitted on our highways when in suitable condition, it is going to be more necessary each year to enforce the law restricting heavy loads on the roads during the thawing season. While little attention was given to this during the spring of 1921, in the spring of 1922 the heavy loads pulled over the roads in many places just as the frost was leaving the ground did great damage to them. In places roads were so ruined by the heavy traffic during a week's period that they continued bad for many weeks, whereas if the heavy loads had been kept off the roads during the critical period of about one week, they would have been in a poor condition for traffic but a very short period.

In spite of the effect of the unusual bad spring on our gravel roads and the long, dry period of summer, they will go into the winter better than ever before. The fall rains have laid the dust on the gravel and stone roads and are causing the loose material on the surface to compact so that most of the roads which were not so perfect during the dry season, are now becoming most excellent roads for traffic.

WORK DONE DURING THE YEAR

In Table I, is shown the miles of different types of road surfaces existing on September 30, 1922. This table shows the gradual increase of mileage of hard surface roads since the system was taken over, and the decrease in the number of miles of earth roads on the state system. About 27 miles of earth roads were added to the roads taken over by the commission. The amount of construction work and reconstruction work done is indicated by the fact that during the year there were 3.6 miles of earth road coated with stone; 18.8 miles of earth road coated with gravel; 167 miles of old gravel road rebuilt as a good gravel road; 45 miles of old stone road rebuilt as a good gravel road; and 129 miles of old stone road rebuilt as a good stone road. The work on all the above was of such an extensive nature that it virtually amounted to building a new road. 232 miles of road were heavily graded and in some places very extensive fills were made.

The amount of the work for this year and also for the three years ending September 30, 1922, is shown in the following table:

	For Year Ending Sept. 30, 1922	For 3 Years Ending Sept. 30, 1922
1—Miles of earth road coated with stone.....	3.6	22.6
2—Miles of earth road coated with gravel.....	18.8	80.1
3—Miles of old gravel road rebuilt as good gravel road.....	167.0	935.0
4—Miles of old gravel road rebuilt as good stone road..	57.0	117.0
5—Miles of old stone road rebuilt as good gravel road..	45.0	139.0
6—Miles of old stone road rebuilt as good stone road..	129.0	370.0
7—Miles of road on which heavy grading was done...	232.0	616.0

On State Road 10, north of Clinton, an extensive grade has been raised for three-fourths of a mile to an additional height of about 3 feet and to a width of 30 feet. The old fill was already about 15 feet high. The road from Nashville to Bloomington was in reality no road at all, but a poorly located right-of-way with a wagon track in it. About eight miles of this road were graded and coated with gravel this year, so as to make a road that would be passable most any season of the year. The old state road from Paoli to New Albany is a good illustration of the extensive work that has been done in the past three years in the reclamation of our old roads. When this road was taken over in the spring of 1920, much of it was almost impassable during the spring season and the remainder was exceedingly rough and unsuited for traffic. Heavy coats of stone have been placed on this road and a first-class water-bound macadam surface built on about five miles of it. This road has been so reclaimed that it has been this past year in very good condition for travel and is now recognized as one of the best long pieces of road in southern Indiana. It receives much heavy tourist traffic out of Louisville, particularly on Sundays and holidays. This road is a good illustration of what may be done in reclaiming some of the old roads where the alignment and grade are not bad. It is very necessary to keep an efficient system of maintenance on it in order to carry the heavy traffic. Much of this road is suitable for some kind of a bituminous top.

Naturally the reclamation of a system of roads such as that taken over by the state highway system during the past three years, requires all degrees of maintenance, reconstruction and construction work. It is difficult to differentiate between what we might call maintenance and construction work. Many of the roads when taken over were single-track roads with a narrow roadbed and in some cases scarcely more than trails.

Other roads were of course in many places in very good condition. Our effort to put the state system in suitable condition for traffic naturally necessitated heavy expenditures on the poorer sections of roads, and due to this fact, we have in some places spent many times as much in the reclaiming of the stretches of poor roads as we have expended elsewhere in merely maintaining an equal stretch of good road which the state inherited.

The building of new culverts, repairing of bridges, including the painting and reflooring of the old bridges, is quite an item of expense.

The larger portion of the road maintenance on the state system still consists of the application of gravel and stone to the surface and dragging same. This class of road maintenance is large because of the large mileage of gravel and stone roads that are only suitable for this type of maintenance.

Five road rollers were bought and delivered during the year, which will make it possible to do a better class of road maintenance work on our stone roads. It is impossible to do a proper class of maintenance and resurfacing work on stone roads without the use of a road roller, and while five rollers are a small number, they will be of some assistance in doing hereafter a better class of work.

During the year contracts were let for 59.4 miles of surface treatment with bituminous material on stone roads and 18.6 miles for penetration macadam on an old stone base and 3.0 miles of bituminous concrete of emulsified asphalt on an old stone base. The contracts for this work were as follows:

Date of Contract	Contract No.	Contractor	Rd.	Sec.	Length Miles	County	Amount of Contract
6-27-22	8	The Barrett Company.....	1	A	1	Floyd.....	\$441 96
			38	A	7.2	Clark.....	3,811 05
			42	C	3.1	Harrison....	1,877 95
			42	D	5.0	Floyd.....	1,722 84
							\$7,853 80
6-27-22	9	Albert W. Karsteter and Hamilton Ashby.....	4	W	2.8	Dearborn...	27,788 20
			4	X	3.1	Dearborn....	2,404 63
			26	H	3.9	Jefferson...	2,060 53
							\$32,253 36
6-27-22	10	Hayes Construction Company.....	22	B	2.1	Lawrence...	1,148 93
			22	D	2.1	Monroe....	16,748 94
			22	D	0.9	Monroe....	462 75
			32	A	3.1	Monroe....	3,397 79
							\$21,658 41
6-27-22	11	Hayes Construction Company.....	3	S	1.35	Wayne.....	2,809 00
			3	T	2.97	Wayne.....	2,138 25
			21	B	0.3	Wayne.....	249 30
			37	D	0.8	Delaware....	602 92
			37	E	0.7	Delaware....	2,686 42
			35	C	0.3	Grant.....	4,783 16
			11	E	2.6	Grant.....	8,974 99
6-27-22	12	The Barrett Company.....	22	G	5.1	Marion.....	4,691 81
			32	H	1.0	Montgomery	592 10
							\$5,283 91
6-27-22	13	Hayes Construction Company.....	13	K	3.73	Allen.....	2,469 39
			27	E	3.0	Elkhart....	16,689 15
			44	K	0.8	Allen.....	7,772 10
							\$26,930 64
6-27-22	14	Hayes Construction Company.....	2	D	3.477	LaPorte....	3,846 99
			15	G	5.485	LaPorte....	2,962 16
			44	B	3.13	LaPorte....	22,597 62
							\$29,406 77
6-27-22	15	Hayes Construction Company.....	18	G	2.48	Lake.....	20,320 40
							\$20,320 40
6-22-22	16	The Barrett Company.....	6	N	2.94	Carroll....	8,169 60
			7	F	2.5	Cass.....	1,065 84
			50	E	.90	Marshall...	488 89
							\$9,724 33
7- 6-22	17	Emulsified Asphalt Company.....	22	G	3.0	Marion....	29,986 40
							\$29,986 40

In this office is kept a record of what was done on each section of road. This record also gives the length of various types of surface at the beginning and end of the year, and the amount of money expended together with the cubic yards of local and shipped stone and gravel used on each section of road. While this description of the work done is very brief, yet together with the material used and the expenditures and type of surface, it gives one some idea of what was done each year on the road which may be of value as reference in future years. On page 1021 is given a summary of Table III, which table because of its length is not printed herein.

Our records show that during the year we used approximately:

141,836 cubic yards of local stone;
 131,158 cubic yards of shipped stone;
 489,055 cubic yards of local gravel;
 89,635 cubic yards of shipped gravel.

Local stone and gravel includes all material hauled direct from the large commercial stone or gravel plants, as well as that hauled from the small local plants, quarries, river-bars and banks.

The following table shows the amount of stone and gravel used by district:

STONE AND GRAVEL USED DURING THE YEAR ENDING SEPT. 30, 1922,
SHOWN BY DISTRICT

DISTRICT	Miles of Road in District	Stone Cu. Yds.		Gravel Cu. Yds.		Total Cu. Yds.	Average Cu. Yds. per Mile of Road in District
		Local	Shipped	Local	Shipped		
Monticello.....	512.7	2,585	50,149	21,653	12,423	86,810	169
Ft. Wayne.....	475.5	2,371	21,604	90,800	11,645	126,420	266
Crawfordsville.....	514.5	20,018	31,561	100,467	12,818	164,864	320
Greenfield.....	680	15,715	4,207	173,280	16,558	209,760	308
Vincennes.....	519.9	26,544	20,646	28,695	22,324	98,209	189
Seymour.....	577.4	74,603	2,991	74,160	13,867	165,621	287
Totals.....	3,280	141,836	131,158	489,055	89,635	851,684	260

In Table II-A, page 1019, and Table II-B, page 1020, are listed all the expenditures of the Division of Maintenance for the fiscal year, ending September 30, 1922. In Table II-A are the expenditures by county so far as the expenditures could be assigned to a county, and in Table II-B is the remainder of the expenditures assigned to the particular district and sub-district in which they were incurred. The expenditures in this latter table are of such a nature that it would be difficult to assign them to any specific section of road and hence any county.

It will be noted that our total expenditures for the year as reported in Tables II-A and II-B are \$2,466,009.34.

In the summary of Table III, the expenditures are distributed by district. It will be observed that in this table the expenditures are analyzed in four separate classes, namely: First, surface, which includes all expenditures on the road surface from the top of the wearing surface to the bottom of the base course; second, roadbed, which includes all expenditures for grading, repairing shoulders, ditches, underground drains, and such other expenditures incurred in the maintenance of the roadbed; third, structures, which includes all expenditures incurred on bridges, culverts, walls, guard-rails, etc.; fourth, miscellaneous, which includes expenditures for miscellaneous items such as cutting grass, weeds and brush, removing of snow, marking roads, erecting danger signs and any other miscellaneous expenditures.

In the column headed "Additions and Betterments" in the above table, is reported the part of the expenditures incurred on new work or what might be considered "Additions and Betterments" over and above the maintenance and repair work. More specifically, additions and betterments include expenditures for the increased permanent value of the road to accommodate traffic, which is expenditures for: (1) Increased width of surface or roadbed; (2) Increased depth of wearing surface over any previous maximum depth; (3) New guard-rails; (4) New

walls; (5) New drainage structures and water courses; (6) New sub-drains and (7) Improving grades, alignment and vision.

Our report shows that about 33.42 per cent of the total expenditures were for purely construction purposes.

TABLE II-A—EXPENDITURES BY COUNTY

For Year Ending September 30, 1922

COUNTY	MILES OF ROAD			Amount Expended	COUNTY	MILES OF ROAD			Amount Expended
	Inside of Towns	Outside of Towns	Total			Inside of Towns	Outside of Towns	Total	
Adams.....	3.2	24.9	28.1	\$17,893 31	Lawrence...	2.8	44.95	47.75	\$31,971 68
Allen.....	12.2	68.2	80.4	84,010 98	Madison.....	7.9	48 0	55.9	22,330 71
Bartholomew..	2.25	41.09	43.34	15,100 87	Marion.....	32.0	61.92	93.92	62,472 31
Benton.....	1.9	33.5	35.4	23,612 45	Marshall.....	5.1	48.8	53.9	22,129 70
Blackford.....	1.0	23.1	24.1	20,206 67	Martin.....	3.8	25.4	29.2	33,267 99
Boone.....	2.25	30.2	32.45	30,674 82	Miami.....	5.0	37.2	42.2	22,955 85
Brown.....	0.74	19.4	20.14	11,111 78	Monroe.....	3.2	45.1	48.3	42,650 72
Carroll.....	1.3	26.6	27.9	24,505 86	Montgomery	4.9	44.3	49.2	39,625 91
Cass.....	4.5	39.4	43.9	12,480 54	Morgan.....	3.3	36.2	39.5	30,022 53
Clark.....	1.7	26.05	27.75	13,202 19	Newton.....	2.8	44.5	47.3	28,555 91
Clay.....	2.5	10.5	13.0	2,461 34	Noble.....	4.4	50.2	54.6	29,605 16
Clinton.....	2.6	36.7	39.3	30,921 01	Ohio.....	1.0	14.9	15.9	4,871 72
Crawford.....	1.9	25.3	27.2	15,986 42	Orange.....	6.6	46.7	53.3	30,638 07
Daviess.....	1.8	20.5	22.3	19,754 13	Owen.....	2.9	42.3	45.2	42,729 32
Dearborn.....	6.45	23.45	29.9	24,092 80	Parke.....	3.8	40.6	44.4	19,918 64
Decatur.....	2.25	30.2	32.45	12,118 22	Perry.....	2.2	30.1	32.3	2,975 69
Dekalb.....	6.05	32.7	38.75	25,794 39	Pike.....	1.1	24.7	25.8	25,213 32
Delaware.....	8.3	36.55	44.85	21,530 08	Porter.....	2.7	48.5	51.2	18,662 40
Dubois.....	2.6	41.90	44.5	16,863 96	Posey.....	4.0	37.5	41.5	21,238 93
Elkhart.....	8.0	37.3	45.3	9,814 80	Pulaski.....	0.8	23.5	24.3	19,310 74
Fayette.....	3.0	19.7	22.7	9,713 91	Putnam.....	3.4	64.05	67.45	32,642 40
Floyd.....	4.55	23.9	28.45	21,383 54	Randolph...	6.1	41.25	47.35	20,742 44
Fountain.....	7.1	37.6	44.7	20,681 40	Ripley.....	1.7	42.4	44.1	46,577 18
Franklin.....	1.5	36.8	38.3	16,831 85	Rush.....	2.5	44.4	46.9	42,950 23
Fulton.....	1.6	13.9	15.5	6,233 95	Scott.....	1.1	13.95	15.05	7,357 15
Gibson.....	6.3	47.0	53.3	32,275 95	Shelby.....	1.3	31.5	32.8	14,756 57
Grant.....	7.9	35.9	43.8	29,149 18	Spencer.....	2.5	23.2	25.7	15,925 21
Greene.....	2.7	36.7	39.4	31,624 99	St. Joseph...	14.0	30.2	44.2	9,283 57
Hamilton.....	3.3	33.1	36.4	37,120 62	Starke.....	4.2	54.4	58.6	37,391 94
Hancock.....	3.6	35.75	39.35	16,840 12	Steuben.....	1.0	27.3	28.3	10,161 87
Harrison.....	2.1	27.6	29.7	27,698 64	Sullivan.....	2.8	23.9	26.7	15,601 94
Hendricks....	1.8	35.8	37.6	30,745 90	Switzerland..	1.0	21.7	22.7	17,509 50
Henry.....	4.95	31.95	39.90	12,017 85	Tippecanoe...	5.9	40.8	46.7	24,211 52
Howard.....	6.8	32.45	39.25	7,675 00	Tipton.....	1.2	27.9	29.1	11,351 59
Huntington...	4.1	33.7	37.8	19,037 34	Union.....	1.5	21.8	23.3	7,903 87
Jackson.....	4.9	54.38	59.28	25,676 28	Vanderburgh	5.0	25.8	30.8	30,647 64
Jasper.....	2.5	54.5	57.0	73,797 03	Vermillion...	1.4	38.5	39.9	24,238 84
Jay.....	3.85	32.6	36.45	25,748 47	Vigo.....	9.1	32.8	41.9	15,416 12
Jefferson.....	4.61	51.4	56.01	21,611 68	Wabash.....	4.55	34.4	38.95	11,260 64
Jennings.....	3.0	41.65	44.65	30,362 53	Warren.....	0.7	23.4	24.1	16,031 10
Johnson.....	2.25	20.14	22.39	5,730 62	Warrick.....	1.1	22.5	23.6	1,688 92
Knox.....	7.8	65.5	73.3	56,874 10	Washington...	3.6	34.2	37.8	18,963 12
Kosciusko....	7.3	47.6	54.9	27,649 32	Wayne.....	11.25	38.02	49.27	22,675 71
Lagrange.....	2.4	34.8	37.2	6,517 78	Wells.....	1.6	22.9	24.5	10,156 1 0
Lake.....	45.7	56.7	102.4	36,751 24	White.....	4.0	40.5	44.5	49,386 81
Laporte.....	12.7	68.9	81.6	45,387 92	Whitley.....	2.1	22.3	24.4	14,883 90
Totals.....						426.70	3,280.00	3,706.70	\$2,188,217 01

TABLE II-B

GENERAL EXPENDITURES NOT ASSIGNED TO ANY SPECIFIC SECTION OF ROAD

For Year Ending September 30, 1922

		Expenditures for Engineering, Clerical and Supervision			General Equipment and Workmen's Com- pensation	General Road & Bridge Ex- penditures not Charge- able to any Section of Road	Totals
		Salaries	Expenses	Misc.			
Central Office.....		\$13,502 81	\$291 07	\$25 41			\$13,819 29
Workmen's Compensation.....					\$4,434 30		4,434 30
DISTRICTS	SUB-DISTRICT						
Crawfordsville.....		\$1,000 83	\$278 34	\$22 11	\$3,997 05		\$5,298 33
	Crawfordsville.....	1,647 87	481 92	153 21	2,978 43	\$1,238 31	6,499 74
	Fowler.....	1,802 00	142 02	348 52	3,702 71	107 56	6,102 81
	Greencastle.....	750 00	80 64	13 69	1,825 24	155 07	2,824 64
	Lebanon.....	1,521 60	270 86	533 35	5,961 19	101 02	8,388 02
	Terre Haute.....	1,777 62	594 79	92 03	3,141 88	229 38	5,835 70
Ft. Wayne.....		2,573 39	577 04	160 01	299 61		3,610 05
	Ft. Wayne.....	1,800 00	235 62	379 56	4,821 17	70 14	7,306 49
	Goshen.....	687 50	81 37	24 25	1,281 60	454 54	2,529 26
	Kendallville.....	1,689 24	122 75	102 56	6,478 46	3 10	8,396 11
	Wabash.....	1,725 00	505 43	187 81	5,273 20	3,170 04	10,861 48
	Warsaw.....	1,575 00	304 92	274 95	2,626 25	1,123 84	5,904 96
Greenfield.....		2,645 16	964 74	105 13	402 51	123 17	4,240 71
	Tipton-Anderson.....	1,766 12	376 35	246 56	4,421 45	16 06	6,826 54
	Connersville-Cambridge City.....	1,877 42	471 67	69 80	5,076 44	30 64	7,525 97
	Greenfield.....	1,698 70	503 67	80 39	4,647 42	234 73	7,164 91
	Indianapolis.....	1,650 00	345 84	148 16	6,460 27	228 57	8,832 84
	Muncie.....	275 00	12 76	11 15	831 05		1,129 96
	Portland-Winchester.....	1,615 50	212 47	9 02	9,641 17		11,478 16
Monticello.....		2,652 42	1,058 41	132 07	4,179 39	10 00	8,032 29
	LaPorte.....	1,650 00	479 11	2 62	3,771 60	123 37	6,026 70
	Monticello.....	1,802 76	568 68	359 91	2,914 56	328 20	5,974 11
	Plymouth.....	1,762 50	319 83	67 54	2,482 36	1,736 44	6,368 67
	Rensselaer.....	1,575 00	90 93	109 67	3,586 46	320 17	5,682 23
	Valparaiso.....	1,800 00	446 01	81 33	4,812 73	110 70	7,250 77
Seymour.....		3,255 03	759 90	258 40	8,290 22	4,800 40	17,363 95
	Aurora.....	1,717 57	720 83	43 08	6,836 19	24 69	9,342 36
	Columbus.....	1,765 00	200 67	97 57	3,868 77	1,952 18	7,884 19
	Bloomington-Martins- ville.....	1,587 50	318 09	88 90	5,499 93	361 61	7,856 03
	New Albany.....	1,585 08	437 34	181 59	5,300 34	166 88	7,671 23
	Seymour.....	1,451 61	570 02	167 22	6,447 48	2,240 89	10,877 22
Vincennes.....		2,400 00	687 30	124 33	3,988 60	4,800 00	12,000 23
	Dale.....	1,575 00	124 41	135 48	1,687 00	23 65	3,545 54
	Evansville-Princeton.....	1,650 00	612 32	114 99	3,009 15	158 59	5,545 05
	Linton.....	691 67	158 48	60 62	1,641 96		2,552 73
	Paoli.....	1,573 33	579 10	32 35	1,971 38	19 01	4,175 17
	Vincennes.....	1,809 45	965 05	137 30	6,885 68	836 06	10,633 59
Totals.....		\$75,884 68	\$15,950 75	\$5,182 69	\$155,475 20	\$25,299 01	\$277,792 33

RECONCILIATION WITH DIVISION OF AUDIT

General Expenditures not charged to any specific Section of Road..... \$ 277,792 33

Expenditures charged to all Sections of Roads..... 2,188,217 01

Division of Maintenance—Total Expenditures..... 2,466,009 34
*3,830 43

Division of Audit—Total Expenditures..... \$2,469,839 77

*The item of \$3,830.43 is the amount refunded for cement sacks returned, tar barrels returned, etc., which is treated by the Maintenance Division as a credit to roads while the Division of Audit treats it as purely a reimbursement.

The following is a summary of expenditures by district as given in Table III (not printed herein).

SUMMARY OF TABLE III.
EXPENDITURES FOR YEAR ENDING SEPT. 30, 1922—BY DISTRICT

DISTRICT	Miles of Road	Surface	Roadbed	Structures	Misc.	Total	Additions and Betterments
Monticello.....	512.7	\$280,974.96	\$25,726.96	\$4,729.22	\$6,178.85	\$317,609.99	\$68,142.00
Ft. Wayne.....	475.5	273,746.65	12,364.59	3,034.42	3,121.38	292,267.04	136,016.17
Crawfordsville.....	514.5	362,365.29	27,484.80	5,747.65	4,869.09	400,466.83	145,382.66
Greenfield.....	680.0	366,448.89	39,267.20	21,607.45	4,777.25	432,100.79	110,891.86
Vincennes.....	519.9	271,832.52	58,578.26	16,234.28	5,796.67	352,441.73	110,020.00
Seymour.....	577.4	325,668.52	43,045.05	18,892.86	5,724.20	393,330.63	160,957.01
Totals.....	3,280.0	1,881,036.83	206,466.86	70,245.88	30,467.44	2,188,217.01	731,409.70

In the Summary of Table IV which follows, is shown an analysis of the construction costs under different headings from Table III. The full Table IV is not printed herein because of its length.

SUMMARY OF TABLE IV.
MAINTENANCE EXPENDITURES BY DISTRICT
For Year Ending September 30, 1922.

District	Length in Miles	Maintenance Proper	CONSTRUCTION—ADDITIONS, BETTERMENTS						Total Maintenance and Construction
			New Bridges and Culverts	Grading, Widening Roadbed, Curve Reduction	Signs and Guard Rails	Retaining Walls	Resurfacing over and above Ordinary Maintenance	Total Construction	
Monticello.....	512.7	\$249,467.99	\$2,029.00	\$20,032.00	\$186.00	.....	\$45,895.00	\$68,142.00	\$317,609.99
Ft. Wayne.....	475.5	156,250.87	1,966.58	11,023.48	719.05	.....	122,990.72	136,016.17	292,267.04
Crawfordsville.....	514.5	255,084.17	1,903.55	17,454.46	509.00	\$316.39	125,490.65	145,382.66	400,466.83
Greentfield.....	680.0	321,298.93	15,196.73	37,051.41	3,336.83	264.03	55,042.86	110,891.86	432,100.79
Vincennes.....	519.9	242,421.73	6,260.00	49,250.00	1,490.00	.....	60,020.00	110,020.00	352,441.73
Seymour.....	577.4	232,373.62	15,913.96	40,807.81	2,352.24	.....	101,577.00	160,957.01	393,330.63
TOTALS.....	3,280.0	\$1,456,807.31	\$42,209.82	\$168,619.11	\$8,593.12	\$911.42	\$511,016.23	\$731,409.70	\$2,188,217.01

An analysis of the expenditures for the year ending September 30, 1922, shows the following:

1	Average Expenditures per mile per year on <i>Surface</i> only including all resurfacing and reconstruction work is.....	\$573.49 or 76.2 %
2	Average Expenditures per mile per year on <i>Roadbed</i> including underground drains, grading, ditching and shoulder work is.....	62.93 or 8.4 %
3	Average Expenditures per mile per year on <i>Structures</i> including culverts, bridges, guard rails, and walls, is.....	21.42 or 2.9 %
4	Average Expenditures per mile per year on <i>Miscellaneous</i> including snow removal, danger signs, marking roads, erecting detour signs, cutting weeds and brush, etc. is.....	9.29 or 1.2 %
5	Average Expenditures per mile per year on <i>General Equipment, Workmen's Compensation, and other General Expenditures not chargeable</i> to any specific section of road but not including supervision costs is.....	55.12 or 7.3 %
6	Average Expenditures per mile per year for <i>overhead expenditures</i> including Engineering, Clerical and Supervision is.....	29.58 or 4.0 %
7	TOTAL Expenditure per mile per year for all expenditures including grading, resurfacing and reconstruction work, culverts, bridges, general expenditures, overhead and miscellaneous is.....	\$751.83 or 100 %

A further analysis of the expenditures for the year ending September 30, 1922, shows the following (which includes General Expenditures, Equipment, Workmen's Compensation and Overhead.)

Expended for purely Maintenance purposes.....	\$1,641,761.44
Expended for purely Construction purposes.....	824,247.90
Average Expenditures per mile per year for Additions and Betterments is.....	\$251.30 or 33.42%
Average Expenditures per mile per year for Maintenance only is.....	\$500.54 or 66.58%

A summary of the Expenditures by the Division of Maintenance for three years ending September 30, 1922, shows the following:

	Average Expenditures for Years 1920-1921		Average Expenditures for Year of 1922	
	In Dollars	% of Total	In Dollars	% of Total
1 Average Expenditures per mile on <i>Surface</i> only including all resurfacing and reconstruction work is.....	\$602 11	77.0	\$573 49	76.2
2 Average Expenditures per mile on <i>Roadbed</i> including underground drains, grading, ditching and shoulder work is.....	87 51	11.2	62 93	8.4
3 Average Expenditures per mile on <i>Structures</i> including culverts, bridges, guard rails, and walls, is.....	17 70	2.3	21 42	2.9
4 Average Expenditures per mile on <i>Miscellaneous</i> including snow removal, danger signs, marking roads, erecting detour signs, cutting weeds and brush, etc. is.....	7 30	0.9	9 29	1.2
5 Average Expenditures per mile on <i>General Equipment, Workmen's Compensation, and other General Expenditures not chargeable</i> to any specific section of road but not including supervision costs is.....	43 51	5.5	55 12	7.3
6 Average Expenditure per mile for <i>overhead expenditures</i> including Engineering, Clerical and Supervision is.....	24 24	3.1	29 58	4.0
7 TOTAL Expenditure per mile for all expenditures including grading, resurfacing and reconstruction work, culverts, bridges, general expenditures, overhead and miscellaneous is.....	\$782 37	100 %	\$751 83	100 %
The average Expenditure per mile for Additions and Betterments including its prorata of General Expenditures, Workmen's Compensation and Overhead is.....	\$282 73	36.14%	\$251 30	33.42%
The average Expenditure per mile for Maintenance <i>only</i> including its prorata of General Expenditures, Workmen's Compensation and Overhead is.....	499 64	63.86%	500 54	66.58%
Total.....	\$782 37	100 %	\$751 83	100 %

EXPENDITURES FOR THREE YEARS ENDING SEPTEMBER 30, 1922

YEAR	Miles Maintained	Paid Out During Fiscal Year		Total
		For Maintenance	For Construction	
1920.....	3,200	\$836,380 20		\$836,380 20
1921.....	3,200	2,361,300 19	\$1,809,499 60	4,170,799 79
1922.....	3,280	1,641,761 44	824,247 90	2,466,009 34
Average for three years.....	3,227	\$1,613,147 28	\$877,915 83	\$2,491,063 11
Average cost per mile per year for three year-period.....		\$499 89	\$272 05	\$771 94

The expenditures show large for 1921, and small for 1920, because: First, the maintenance work was just being organized during the summer of 1920, and the report period closed September 30; second, many obligations had been incurred before the end of the report period, 1920, that were not paid until the following year 1921; third, much of the expense incident to organization, such as the purchase of equipment and lack of trained men, showed up in the first two years.

A heavy construction program was carried on in 1921, as is shown in the table above. The total expenditures for the three years show the total cost of bringing the state road system from the condition in which it was found when taken over up to the present standard, with nearly the entire mileage in excellent condition for traffic.

It is interesting to note that the average cost of maintenance for the three years is \$499.89 per mile per year and that the average cost of maintenance for 1922 is \$500.54 per mile per year, or practically the same.

REPORT OF DIVISION OF EQUIPMENT

For the Year Ending September 30, 1922

GEORGE N. BARTLEY, Chief.

At the beginning of the year, this department had in its possession 637 motor vehicles, 550 of which were trucks. During the year fifteen cars were purchased, four cars were disposed of as unserviceable and 172 trucks and cars were received from the Federal Government, making at the close of the year, 692 trucks and 132 cars.

Overhauling and keeping in repair this motor equipment subjected to hard and constant usage, requires an investment of approximately \$100,000 and a trained organization. The State Highway Garage, located at 510 West Market Street, Indianapolis, has gradually been converted into a first-class machine shop, with equipment sufficient to turn out high-grade work promptly and at a moderate cost.

The shop superintendent is an expert mechanic, who, prior to his coming with us, had been for several years in charge of the truck repair department of the Standard Oil Company.

We have the following departments in the garage, all in charge of a competent foreman:

The body department, where ammunition and ambulance bodies of the Government trucks are made into dump bodies, and hoists are mounted on rebuilt chassis which have been thoroughly overhauled in the repair department.

The repair department repairs radiators and batteries.

The trim shop supplies tops, cushions, covers and curtains.

The paint department finishes the job. All state trucks are painted olive drab and assigned a commission number and "Indiana State Highway Commission" stenciled on the vehicle.

In the past year we have made repairs upon 669 vehicles, of which 419 were completely overhauled. The remaining number were in need of minor repairs.

In addition to the above, the department has taken care of the surplus war material received. At times we had trouble in securing sufficient storage space to properly care for such as seemed advisable to store. We are now able to report the lease of a building with ample space to care for material received in the future. The leasing of this building will effect considerable saving in storage as well as lessen the cost of unloading.

BALANCE OF ACCOUNTS

For Year Ending September 30, 1922

	Balance	Debits	Credits
1. Office Salaries and Expenses.....		\$7,486 94	
2. Expense of Trucks:			
Four Wheel Drive.....	\$108,691 74		
Hulburt.....	671 84		
Heavy Aviation.....	99,963 81		
Liberty.....	92,437 00		
Mack.....	521 12		
Nash Quad.....	106,627 69		
Pierce Arrow.....	70,269 00		
Republic.....	57,933 61		
White.....	618 33		
G. M. C. Ambulance.....	1,056 35	538,790 49	
3. Expense of Cars to Departments:			
Director and Commission.....	1,859 62		
Bridges.....	3,513 34		
Contracts.....	13,331 85		
Maintenance.....	24,545 50		
Motor Transport.....	579 20		
Tests.....	417 31	44,246 82	
4. Tractor Repairs.....	9,524 56		
Road Drag Material.....	694 64		
Road Grader Material.....	23 28	10,242 48	
5. Workmen's Compensation.....		9 20	
6. Loading and Crating Charge to Government. Freight and Storage on Miscellaneous Allotted Material.....		179,530 56	
7. Traveling Expense.....		1,602 42	
8. Garage Expense, Equipment and Repairs.....		13,656 43	
9. Total Amt. Expended from Motor Trans. Records.....			\$795,565 34
		\$795,565 34	\$795,565 34

EXPENDITURES

September 30, 1921 to September 30, 1922

Office Expense—			
Salaries.....		\$6,618 00	
1 Underwood Typewriter.....	\$83 03		
1 Remington Typewriter.....	87 64		
Telephone.....	556 36		
Miscellaneous.....	141 91	868 94	\$7,486 94
Trucks and Cars—			
Cars and Parts.....		354,003 89	
Freight.....		167,636 31	
Gasoline.....		8,601 99	
Loading and Crating.....		16,199 73	
Tires and Tubes.....		105,681 35	
Payroll.....		89,663 96	
Storage.....		2,009 15	
Tools and Hardware.....		18,154 18	
Traveling Expense.....		1,602 42	
Workmen's Compensation.....		9 20	763,562 18
Garage—			
Equipment.....		6,798 74	
Repairs.....	2,124 18		
Water, Light and Heat.....	4,733 51	6,857 69	13,656 43
Tractor Repairs.....			
		9,524 56	
Grader Repairs.....			
		23 28	
Drag Repairs.....			
		694 64	10,242 48
Testing Department—			
Salaries.....		605 31	
Miscellaneous Expense.....		12 00	617 31
			\$795,565 34

SUMMARY OF REPORT ON CARS

87 Balance of cars, accounted for in report October 1, 1921.

Receipts, 1922—

- 17 Ford Touring and Roadster.
- 3 G. M. C. Ambulance.
- 24 Dodge Touring and Roadster.
- 1 Dodge Light Delivery.
- 1 Hupmobile Sedan.
- 1 Hupmobile Touring.
- 1 Reo Touring
- 1 Buick Touring.

49

136

Disposed of as unserviceable—

- 1 Lexington Touring traded for 1 Buick Touring.
- 1 Lexington Touring traded for 1 Hupmobile Sedan.
- 1 Lexington Touring traded for 1 Hupmobile Touring.
- 1 Ford, (Junk).

4

132 Total Number of cars accounted for in report, Sept. 30, 1922.

RECAPITULATION

- 1 Buick Touring.
- 34 Dodge Touring and Roadster.
- 1 Dodge Light Delivery.
- 80 Fords Touring and Roadster.
- 13 G. M. C. Ambulance.
- 2 Hupmobiles, (1 Sedan, 1 Touring).
- 1 Reo Touring.

132

Equipment accounted for in Report, September 30, 1922:

Trucks—

- 1 Bethlehem.
- 26 Federal.
- 89 Four Wheel Drive.
- 1 Garford.
- 9 Gram Bernstein.
- 1 Hulburt.
- 2 International.
- 53 Heavy Aviation.
- 133 Liberty.
- 5 Mack.
- 252 Nash.

Trucks—Continued.

7	Peerless.
57	Pierce Arrow.
37	Republic.
2	Standard.
1	Union.
3	Velie.
2	Wilson.
11	White.
<hr/>	
692	
132	Total Cars.
824	Total Trucks and Cars.
45	Motorcycles.
56	Tractors.
86	Trailers.

1,011 Total Equipment accounted for in Report September 30, 1922.

Division of Maintenance—

Federal.....	19	
Four Wheel Drive.....	86	
Gram Bernstein.....	5	
Heavy Aviation.....	41	
Liberty.....	75	
Mack.....	2	
Nash Quad.....	210	
Pierce Arrow.....	44	
Republic.....	27	
Wilson.....	1	
White.....	1	
<hr/>		
		511
Dodge Touring and Roadster.....	15	
Fords.....	42	
G. M. C. Ambulance.....	9	
<hr/>		66
		577
		5/7

Total Trucks and Cars to Maintenance.....

Division of Construction—Roads and Bridges

Liberty.....	9	
Nash Quad.....	1	
<hr/>		10
Dodge.....	6	
Fords.....	31	
G. M. C. Ambulance.....	1	
Hupmobile.....	1	
<hr/>		33
		49

Total Trucks and Cars to Construction—Roads and Bridges.....

Motor Transport—

White.....	1	
Dodge.....	4	
<hr/>		5

Total to Motor Transport.....

Testing Department—

Pierce Arrow.....	1	
<hr/>		1

Total to Testing Department.....

Commission—

Hupmobile Sedan.....	1	
Buick Touring.....	1	
Dodge Touring.....	1	
<hr/>		3

Total Cars to Commission.....

U. S. Department of Agriculture—

J. A. Sourwine—		
Dodge.....	1	
<hr/>		1

State Purchasing Agent—

Ford (Chassis).....	1	
<hr/>		1

Superintendent State Buildings and Grounds—

Heavy Aviation.....	2	
<hr/>		2

Trucks and Cars to Departments.....

Loaned to State Institutions.....		639
Storage.....		56
<hr/>		129

Total Trucks and Cars.....

824

Trucks and Cars Loaned to State Institutions—

Boy's Reform School—

Nash Quad.....	1	
----------------	---	--

Boy Scouts—

Gram Bernstein.....	1	
---------------------	---	--

Conservation Commission—

International.....	1	
--------------------	---	--

Eastern Insane Hospital—

Heavy Aviation.....	2	
---------------------	---	--

Indiana School for Deaf—

Ford.....	1	
-----------	---	--

Nash Quad.....	1	
----------------	---	--

Industrial Aid for Blind—

Gram Bernstein.....	1	
---------------------	---	--

Indiana Soldier and Sailor Orphanage—

Nash Quad.....	1	
----------------	---	--

Indiana Village for Epileptics—

Nash Quad.....	1	
----------------	---	--

Indiana School for Feeble Minded Youth—

Nash Quad.....	2	
----------------	---	--

Indiana State Sanitorium—

Nash Quad.....	1	
----------------	---	--

Indiana University—

Republic.....	5	
---------------	---	--

Indiana Women's Prison—

Nash Quad.....	2	
----------------	---	--

Michigan City Prison—

Heavy Aviation.....	6	
---------------------	---	--

Republic.....	2	
---------------	---	--

Northern Insane Hospital—

Gram Bernstein.....	1	
---------------------	---	--

Republic.....	2	
---------------	---	--

Standard.....	1	
---------------	---	--

State Penal Farm—

Four Wheel Drive.....	1	
-----------------------	---	--

Nash Quad.....	2	
----------------	---	--

State Reformatory, Pendleton—

Ford.....	1	
-----------	---	--

Hulbert.....	1	
--------------	---	--

Liberty.....	10	
--------------	----	--

White.....	1	
------------	---	--

State Normal School—

Heavy Aviation.....	2	
---------------------	---	--

Eastern Division—

Nash Quad.....	1	
----------------	---	--

Southeastern Insane Hospital—

Nash Quad.....	3	
----------------	---	--

Southern Insane Hospital—

Nash Quad.....	2	
----------------	---	--

Total Cars and Trucks to State Institutions.....		2
--	--	---

Trucks in Storage—		
Bethlehem.....	1	
Federal.....	7	
Four Wheel Drive.....	2	
Garford.....	1	
G. M. C. Ambulance.....	3	
Gram Bernstein.....	1	
International.....	1	
Liberty.....	39	
Mack.....	3	
Nash Quad.....	24	
Peerless.....	7	
Pierce Arrow.....	12	
Republic.....	1	
Standard.....	1	
Union.....	1	
Vehle.....	3	
Wilson.....	1	
White.....	8	
	<hr/>	116
Cars—		
Dodge.....	8	
Fords.....	4	
Reo.....	1	13
	<hr/>	
Total Trucks and Cars in Storage.....		129

TOTAL TRAILERS ALLOTTED

Feb. 21, 1920	8	Trailers, from So. Kearney, N. J.
April 30, 1921	10	Trailers, from Ft. Harrison, Ind.
Sept. 3, 1921	12	Trailers, from Camp Holabird, Md.
Nov. 25, 1921	50	Trailers, from Jeffersonville, Ind.
March 28, 1922	6	Trailers, from Camp Pike, Ark.
	<hr/>	
	86	Total.

Present Location—

Division of Maintenance—		
Vincennes, Sub-District.....	3	
Terre Haute, Sub-District.....	4	
Greenfield, Sub-District.....	4	
Indianapolis, Sub-District.....	4	
Aurora, Sub-District.....	2	
Columbus, Sub-District.....	2	
Laporte, Sub-District.....	1	
Kendallville, Sub-District.....	1	
Evansville, Sub-District.....	2	
Dale, Sub-District.....	2	
Wabash, Sub-District.....	1	
Cambridge City, Sub-District.....	1	
Muncie, Sub-District.....	1	
Paoli, Sub-District.....	3	
Bloomington, Sub-District.....	1	
Monticello, Sub-District.....	2	
Crawfordsville, Sub-District.....	1	
New Albany, Sub-District.....	1	
Plymouth, Sub-District.....	1	
Linton, Sub-District.....	2	
Seymour, Sub-District.....	1	
	<hr/>	
Total to Maintenance Division.....		40
State Institution—		
Reformatory, Pendleton.....	2	
City of Indianapolis—		
Fire Department.....	2	4
	<hr/>	44
Storage.....		42
	<hr/>	86
Total Trailers.....		

TOTAL TRACTORS ALLOTTED

May 10, 1921	32	Holt Tractors, from Port Clinton, Ohio.
May 3, 1922	2	Holt Tractors, from Camp Jackson, S. Car.
June 28, 1922	22	Holt Tractors, from Camp Perry, Ohio.
	<hr/>	

Present Location—

Division of Maintenance—

Greenfield, Sub-District.....	2
Portland, Sub-District.....	1
Wabash, Sub-District.....	1
Kendallville, Sub-District.....	1
Warsaw, Sub-District.....	1
Vincennes, Sub-District.....	1
Terre Haute, Sub-District.....	1
Evansville, Sub-District.....	1
Crawfordsville, Sub-District.....	1
Plymouth, Sub-District.....	2
Laporte, Sub-District.....	1
Cambridge City, Sub-District.....	1
Ft. Wayne, Sub-District.....	1
Seymour, Sub-District.....	1
Aurora, Sub-District.....	1
Dale, Sub-District.....	1
New Albany, Sub-District.....	2
Rensselaer, Sub-District.....	2
Monticello, Sub-District.....	1
Fowler, Sub-District.....	1
Paoli, Sub-District.....	1
Valparaiso, Sub-District.....	1
Bloomington, Sub-District.....	2
Lebanon, Sub-District.....	1
Tipton, Sub-District.....	1
Goshen, Sub-District.....	2
Indianapolis, Sub-District.....	1
Columbus, Sub-District.....	1
Linton, Sub-District.....	1
Greencastle, Sub-District.....	1

Total to Maintenance.....

36

State Institution—

Reformatory, Pendleton.....	1
-----------------------------	---

Storage.....

1
19

Total Tractors.....

56

TOTAL MOTORCYCLES ALLOTTED

April 15, 1921	2	Indian Motorcycles, from Ft. Harrison, Ind.
Dec. 23, 1919	7	Cleveland Motorcycles from Camp Holabird, Md.
July 27, 1920	1	Cleveland Motorcycle, from Jeffersonville, Ind.
Aug. 18, 1920	8	Cleveland Motorcycles, from Governor's Island, N. Y.
Feb. 23, 1922	25	Harley Davidson Motorcycles, from Camp Grant, Ill.
March 11, 1922	2	Indian Motorcycles, from Camp Grant, Ill.
—		
45	Total.	
1	In Exchange for Hoist, Wood Hyd. Hoist Co.	
1	Sold.	
—		
2		
—		
43		

Present Location—

Division of Maintenance—

Terre Haute, Sub-District.....	1
Crawfordsville, Sub-District.....	1
Laporte, Sub-District.....	2
Rensselaer, Sub-District.....	1
Vincennes District.....	1
Paoli, Sub-District.....	1
Columbus, Sub-District.....	3
Monticello, Sub-District.....	2
Lebanon, Sub-District.....	1
Cambridge City, Sub-District.....	1
Bloomington, Sub-District.....	1
Fowler, Sub-District.....	1
Indianapolis, Sub-District.....	1
Aurora, Sub-District.....	1

18

Construction Division—

F. A.-15A and B.....	2
C. A.-94.....	1
S. A. 15-A-1.....	1

Storage.....

4
21

Total.....

43

THE BOARD OF STATE CHARITIES

GOVERNOR WARREN T. McCRAY, President, Ex-Officio

MEMBERS

WM. J. SAYERS, Muncie, March 1, 1923.

MORRIS M. FEUERLICHT, Indianapolis, November 1, 1923.

MRS. SARA A. DINWIDDIE, Fowler, February 1, 1924.

LOUDON A. HARRIMAN, Princeton, April 4, 1924.

FRANCIS H. GAVISK, Indianapolis, March 10, 1925.

MARY A. SPINK, M. D., Indianapolis, March 10, 1925.

AMOS W. BUTLER, Secretary.

JOHN A. BROWN, Supervisor of Field Service.

L. H. MILLIKAN, State Agent for Dependent Children.

RAECEL L. HILL, Inspector, License Department.

SENA M. BORGER, Agent for the Supervision of Outdoor Relief.

LAURA GREELY, Chief Clerk.

The Board of State Charities, established by the legislature of 1889, has supervision over the entire system of public charities and correction. While there has been no change in the organic act, which limited the board's powers to supervision only, the legislature from time to time has given it duties of a more or less administrative character.

(1) In 1897, it established the State Agency for Dependent Children and made the board the agent of the state in the supervision of all orphans' homes and child-caring associations supported in whole or in part from public funds. Under this law, the state agents have regularly visited all children made public wards and placed in foster homes. There are now 2,830 children subject to visitation. During the past year the agents made 3,469 visits and found all but 196 or 5.6 per cent of the children doing well. The agents find homes for homeless children. Since the department was established they have placed 4,632 children in homes, 3,344 of which are now off public support. This year they investigated 259 applications for children and placed 212 children.

(2) Since 1899, the board has been required to certify to the Auditor of State the daily average attendance of certain state institutions in order to secure for them additional allowances for maintenance of their population in excess of the number on which the regular appropriation was based. For the fiscal year ending September 30, 1922, the amount which thus became available upon certification of this board was \$242,416.70.

(3) In the Juvenile Court Act of 1903, provision was made for the board to visit all institutions, public and private, caring for dependent or neglected children and also to pass upon the fitness of the associations proposing to incorporate for the purpose of caring for dependent, neglected or delinquent children.

(4) A law of 1909 prohibits maternity hospitals and child-caring institutions, homes or agencies, public or private, from operating without an annual written license from the Board of State Charities. These two laws (3 and 4) have resulted in eliminating many disreputable agencies, in preventing the establishment of unnecessary charities and in raising the standards among those licensed. At the end of the fiscal year there were 186 licenses in effect.

(5) The Legislature of 1917 provided for the deportation of non-resident dependents and defectives to the place of their legal settlement. The law became operative October 1, 1917. During the past fiscal year the cases of 76 persons were investigated. Deported, 11; refused care in Indiana, 16; withdrawn, 6; referred to other agencies, 11; accepted for care in Indiana or found to have legal settlement here, 24; disputed cases adjusted, 2; pending at close of year, 6. Total expense of department for fiscal year, \$1,937.86.

(6) Since 1917, also, the legislature has appropriated annually the sum of \$3,000 to the Board of State Charities, for a more thorough supervision of relief of the poor by township trustees. There are 1,017 township overseers of the poor. The relief given by them in 1921 amounted to \$610,353.87.

In connection with the general supervision of the public charities and correctional service of the state, the Board of State Charities inspected this year, as in the past, every state institution, county poor asylum, jail and children's home and every hospital having a maternity ward. Public officials and boards have been interviewed. All complaints of mismanagement have been investigated promptly. Plans for new institutions have been examined, as required by law. Regular quarterly and monthly, and in some instances, daily reports have been received from more than 1,300 officials.

The board takes advantage of every opportunity within its means to disseminate information concerning the charitable and correctional work of the state. It publishes an annual report, a quarterly bulletin and an occasional special bulletin. It prepares and distributes annually a pamphlet for use of ministers in observing "Prison Sunday." It is represented at the annual meetings of the National Conference of Social Work and the American Prison Association. The annual Indiana State Conference of Charities and Correction is held under its auspices. It participates each year in the meeting of the Indiana Society for Mental Hygiene. It frequently conducts local social welfare conferences, and by invitation its representatives address gatherings of business men, teachers, students, clubs, and others interested in social betterment.

PUBLIC CHARITIES AND CORRECTION

Public charities and correction are clearly defined as local and state. In the matter of expense, the largest single item is the maintenance of the state institutions; but in the number of persons affected, the local charities constitute by far the greater problem. The state institutions cared for 19,817 different persons during the past year. In the same length of time, though for a somewhat different period, 4,712 were in the county poor asylums, 29,944 in jails, 2,324 in orphans' homes,

21,540 "cases" represented by 79,992 persons, received aid from township trustees (ex-officio overseers of the poor). Of charity patients treated in local hospitals, no statistics have been compiled. There are also some private homes for the aged and a few private benevolent organizations receiving donations from county funds, whose beneficiaries might to some extent be considered public wards.

Back of all these are conditions which result in dependence and crime and which are clearly a community responsibility. The communities do not always recognize them nor do they realize their power for evil; consequently they do not fear them or make any effort to change them. So long as this local apathy continues, the burden of the state will grow. Two of the more prominent causes are tuberculosis and feeble-mindedness. It is estimated that there are 35,000 cases of tuberculosis and 50,000 feeble-minded persons in Indiana.

The state charitable institutions are: Five hospitals for the insane, located respectively in Indianapolis, Logansport, Richmond, Evansville and North Madison; the School for Feeble-Minded Youth, Fort Wayne; the Indiana Farm Colony for Feeble-Minded, Butlerville; Village for Epileptics, Newcastle; Soldiers' Home, Lafayette; Soldiers' and Sailors' Orphans' Home, Knightstown, and the State Sanatorium, Rockville. There are also in Indianapolis the Indiana School for the Blind and the Indiana State School for the Deaf. While these are educational institutions, the pupils are boarded at state expense during the school year, and, if necessary, are provided with clothing and transportation to and from Indianapolis. The Robert W. Long Hospital of Indiana University, Indianapolis, is also a state charitable institution.

The county charities are the poor asylum, the county hospital, county tuberculosis hospital, and the orphans' home. In the townships, the township trustee is ex-officio overseer of the poor. Cities have authority to maintain general hospitals and dispensaries.

There are three classes of correctional institutions: State, county and municipal. The state prison, Michigan City; reformatory, Jeffersonville; state farm, Putnamville; woman's prison, Indianapolis; boys' school, Plainfield, and girls' school, Clermont, are maintained by the state. Jails are maintained by the counties; lock-ups and police stations by cities and towns.

At the head of the state system of public charities and correction is the governor. Appointed by him is a Board of State Charities, which maintains general supervision, and a State Board of Accounts, which examines all financial records and prescribes methods of accounting. Each state institution has its board of trustees. Maintenance is provided by the legislature. In the counties, the poor asylums and jails and some of the orphans' homes and hospitals are maintained from funds appropriated by the county council and are managed by the board of county commissioners. Some orphans' homes and hospitals, while maintained largely from county funds, are owned and managed by private associations. In the townships, money necessary for the relief of the poor is drawn from the county treasury, which is afterwards reimbursed by the several townships, and the overseer of the poor acts as agent of the

board of county commissioners in the administration of the funds. His office is the only township charity.

This briefly outlines the state's charities and correction system. Some idea of its extent and cost will be obtained from the following statistics.*

On September 30, 1922, state and local charitable and correctional institutions had 18,684 inmates, divided as follows: State institutions, 12,937; county poor asylums (August 31) 3,365; county jails, 725; orphans' homes, 1,657. New admissions to the above institutions during the year, which cannot well be totaled owing to duplications, were as follows: state institutions, 7,288; county poor asylums, 1,441; county jails, including recommitments, 29,944; orphans' homes, 771. During the calendar year 1921, township overseers of the poor aided 16,896 families and 4,644 persons not in families, a total of 21,540 "cases" represented by a total of 79,992 different persons.

The expense incurred by the above agencies amounted to \$8,123,-601.50, as follows:

State institutions	\$5,399,665 75
County poor asylums	1,067,123 98
Dependent children	596,004 11
County jails	450,453 79
Outdoor poor relief	610,353 87

\$8,123,601 50

* Hospitals, lock-ups and police stations are omitted, no statistics being available.

STATISTICS OF PRINCIPAL PUBLIC CHARITIES BY COUNTIES

COUNTIES	Indoor Relief (In Public Institutions)					Outdoor Relief
	State Institutions Sept. 30, 1922	County Poor Asylums Aug. 31, 1922	County Jails Sept. 30, 1922	Dependent Children Sept. 30, 1922	Total Number in Institutions	Number Aided in 1921 by Township Overseers of the Poor
Adams.....	59	31	1	6	97	321
Allen.....	471	98	36	36	641	1,306
Bartholomew.....	120	29	.....	39	188	1,179
Benton.....	38	17	.....	3	58	282
Blackford.....	64	20	2	7	93	498
Boone.....	87	29	1	11	128	493
Brown.....	16	8	.....	10	34	31
Carroll.....	64	15	1	5	85	257
Cass.....	201	37	10	26	274	1,814
Clark.....	152	28	5	8	193	513
Clay.....	152	35	4	11	202	1,017
Clinton.....	124	42	1	14	181	995
Crawford.....	27	10	.....	.....	37	63
Daviess.....	114	11	1	5	131	410
Dearborn.....	76	33	3	4	116	592
Decatur.....	76	30	1	10	117	360
Dekalb.....	86	35	6	8	135	369
Delaware.....	268	60	24	72	424	2,717
Dubois.....	61	13	2	6	82	107
Elkhart.....	241	62	7	37	347	742
Fayette.....	92	22	5	16	135	412
Floyd.....	162	33	6	12	213	1,070
Fountain.....	104	42	3	17	166	898
Franklin.....	50	24	.....	16	90	189
Fulton.....	51	16	1	10	78	153
Gibson.....	127	33	.....	14	174	561
Grant.....	265	61	7	42	375	2,555
Greene.....	119	18	4	12	153	342
Hamilton.....	107	37	2	5	151	431
Hancock.....	78	25	5	4	112	328
Harrison.....	67	15	1	1	84	244
Hendricks.....	96	29	.....	7	132	218
Henry.....	140	53	.....	15	208	1,757
Howard.....	144	41	16	14	215	3,705
Huntington.....	109	39	.....	24	172	453
Jackson.....	119	19	.....	12	150	779
Jasper.....	63	11	.....	1	75	184
Jay.....	108	32	1	6	147	645
Jefferson.....	88	17	.....	7	112	596
Jennings.....	62	23	.....	1	86	163
Johnson.....	18	31	.....	9	138	578
Knox.....	154	26	4	40	224	2,281
Kosciusko.....	107	48	5	14	174	499
Lagrange.....	39	13	2	19	73	66
Lake.....	689	112	94	89	984	7,057
Laporte.....	227	59	13	17	316	1,240
Lawrence.....	114	26	.....	7	147	488
Madison.....	324	54	15	65	458	3,069
Marion.....	1,694	487	189	210	2,580	9,461
Marshall.....	89	37	1	5	132	277
Martin.....	40	14	1	.....	55	203
Miami.....	112	35	1	15	163	547
Monroe.....	111	16	.....	16	143	576
Montgomery.....	140	53	3	24	220	700
Morgan.....	115	33	7	.....	155	486

STATISTICS OF PRINCIPAL PUBLIC CHARITIES BY COUNTIES—Continued

COUNTIES	Indoor Relief (In Public Institutions)					Outdoor Relief
	State Institutions Sept. 30, 1922	County Poor Asylums Aug. 31, 1922	County Jails Sept. 30, 1922	Dependent Children Sept. 30, 1922	Total Number in Institutions	Number Aided in 1921 by Township Overseers of the Poor
Newton.....	33	17	1	1	52	193
Noble.....	87	19	9	15	130	279
Ohio.....	14	5			19	31
Orange.....	53	8		11	72	219
Owen.....	48	16		4	68	192
Parke.....	81	28	1	25	135	342
Perry.....	66	8	2	2	78	105
Pike.....	59	17	4	10	90	117
Porter.....	87	32	4	5	128	196
Posey.....	98	36		1	135	438
Pulaski.....	49	11		4	64	155
Putnam.....	193	34	2	2	231	297
Randolph.....	106	40	4	18	168	676
Ripley.....	83	19		12	114	153
Rush.....	106	31		17	154	633
Scott.....	28	11		2	41	66
Shelby.....	136	28	4	10	178	765
Spencer.....	70	18		14	102	200
Starke.....	39	10		2	51	190
Steuben.....	48	18	2	8	76	200
St. Joseph.....	365	91	58	62	576	2,481
Sullivan.....	121	32	3	12	168	654
Switzerland.....	37	6		5	48	56
Tippecanoe.....	284	65	5	29	383	1,109
Tipton.....	59	16	1	3	79	385
Union.....	26	12	3	1	42	206
Vanderburgh.....	448	115	38	76	677	5,251
Vermillion.....	95	32	5	23	155	426
V go.....	583	90	56	109	838	2,547
Wabash.....	96	23		36	155	657
Warren.....	38	16		8	62	161
Warrick.....	80	19	3	2	104	263
Washington.....	63	24	2	3	92	106
Wayne.....	249	52	16	25	342	2,443
Wells.....	74	41	10	11	136	148
White.....	80	23		4	107	201
Whitley.....	49	25	1	1	76	174
Out of State.....	5				5	
Total.....	12,937	3,365	725	1,657	18,684	79,992

THE STATE INSTITUTIONS

INSTITUTION	Post Office	Establishment Authorized	Opened	Capacity	Real Estate (Acres)
Indiana Reformatory.....	Jeffersonville.....	1821*	1822	1,000	268
State School for Deaf.....	Indianapolis.....	1844	1844	375	79
Central Hospital for Insane.....	Indianapolis.....	1844	1848	1,434	160.25
Indiana School for the Blind.....	Indianapolis.....	1847	1847	150	7.68
Indiana State Prison.....	Michigan City.....	1859	1860	1,450	103
Indiana Boys' School.....	Plainfield.....	1867	1868	500	971.475
Soldiers' and Sailors' Orphans' Home.....	Knights town.....	1867	1867	500	242
Indiana Woman's Prison.....	Indianapolis.....	1869†	1873	144	15.61
School for Feeble-Minded Youth.....	Fort Wayne.....	1879‡	1879§	1,462	903.42
Northern Hospital for Insane.....	Legansport.....	1883	1883	1,102	626.81
Eastern Hospital for Insane.....	Richmond.....	1883	1890	990	1,056
Southern Hospital for Insane.....	Evansville.....	1883	1890	870	879.47
Soldiers' Home.....	Lafayette.....	1895	1896	1,120	194.03
Indiana Girls' School.....	R. B. I. Indianapolis.....	1903†	1907‡	352	127.5
Southeastern Hospital for Insane.....	N. Madison.....	1903	1910	1,270	1,379.6
Village for Epileptics.....	Newcastle.....	1905	1907	458	1,334.8
State Sanatorium.....	Rockville.....	1907	1911	100	504
Robert W. Long Hospital.....	Indianapolis.....	1911	1914	112	19.5
Indiana State Farm.....	R. 7, Greencastle.....	1913	1915	750	1,892
Indiana Farm Colony for Feeble-Minded.....	Butler ville.....	1919	1920	210	1,817.71

*Established originally as a prison; became the Reformatory in 1897. A new site, containing 1,038 acres, near Pendleton has been purchased for the Reformatory

†Established originally as an institution for both women and girls.

‡Separated from the Woman's Prison by an act passed in 1903; moved to present location near Clermont, July 11, 1907

§Moved to Fort Wayne July 8, 1890.

THE STATE INSTITUTIONS
Movement of Population and Average Number of Officers and Employees, Year Ending September 30, 1922

INSTITUTION	INMATES							Average Number Officers and Employees	
	Number Enrolled Oct. 1, 1921	Received During Year	Discharged During Year	Enrolled Close of Year Sept. 30, 1922	Present September 30, 1922		Daily Average Attendance During Year		
					Males	Females			
Central Hospital for Insane.....	1,514	318	230	1,602	678	851	1,529	1,489.65	293.74
Northern Hospital for Insane.....	1,117	201	171	1,147	575	519	1,094	1,090.62	151.22
Eastern Hospital for Insane.....	934	175	149	960	452	487	939	927.26	153
Southern Hospital for Insane.....	817	181	158	840	384	440	824	812.68	87.82
Southeastern Hospital for Insane.....	1,292	268	204	1,356	654	594	1,248	1,239.62	189
Soldiers' Home.....	1,012	283	306	989	155	430	585	618	271
Soldiers' and Sailors' Orphans' Home.....	343	37	39	341	181	114	295	276.91	78
School for Feeble-Minded Youth.....	1,439	92	77	1,454	596	827	1,423	1,403.54	135.4
Farm Colony for Feeble-Minded.....	80	39	15	104	98	.....	98	87.96	36.23
Village for Epileptics.....	419	63	57	425	396	.....	396	409.68	71.79
State Sanatorium.....	104	149	128	125	67	58	125	113.17	58.46
Robert W. Long Hospital.....	2,047	64	2,030	121	64	57	121	112	64
State School for Deaf.....	301	64	56	309	141	163	304	301.13	87
School for Blind.....	132	40	51	121	69	52	121	123.37	55
State Prison.....	1,352	580	502	1,430	1,430	.....	1,430	1,409.96	65
Reformatory—									
Jeffersonville.....	791	840	753	878	878	.....	878	918.02	74
Pendleton (new site).....	134	134	1	133	121	99	121	99.8	7
State Farm.....	544	1,889	1,975	458	455	.....	455	555.45	43
Woman's Prison.....	91	169	162	98	.....	98	98	94.03	20
Girls' School.....	368	259	294	333	.....	333	333	362.52	69.67
Boys' School.....	514	335	329	520	520	.....	520	530.05	61.17
Total.....	13,268	8,163	7,687	13,744	7,914	5,023	12,937	12,975.42	2,121.5

THE STATE INSTITUTIONS
Expenditures for All Purposes (Exclusive of Rotary Funds), Year Ending September 30 1922

INSTITUTION	CURRENT EXPENSES					EXTRAORDINARY EXPENSES			Grand Total	
	Administra- tion	Subsistence	Clothing	Office, Domestic and Outdoor Departments	Repairs and Minor Improve- ments	Total	New Buildings	Land and Permanent Improve- ments		Total
Central Hospital for Insane.....	\$205,077 54	\$122,408 43	\$19,090 45	\$122,571 26	\$73,367 26	\$542,514 94	\$263,305 16	\$42,729 51	\$306,034 67	\$848,549 61
Northern Hospital for Insane.....	117,530 32	65,230 11	8,981 01	107,167 37	15,871 38	314,780 19	.....	47,160 49	47,160 49	361,940 68
Eastern Hospital for Insane.....	105,939 14	46,570 19	8,842 64	89,856 52	8,576 15	259,364 64	34,502 23	.....	34,502 23	293,866 87
Southern Hospital for Insane.....	51,778 06	41,210 37	7,280 31	41,451 72	8,978 05	150,698 51	.....	15,119 78	15,119 78	165,818 29
Southeastern Hospital for Insane.....	131,556 06	60,322 22	8,499 66	115,028 81	14,999 38	330,406 13	20,424 10	28,275 00	48,699 10	379,105 23
Soldiers' Home.....	105,198 43	88,292 50	2,687 83	98,814 14	27,126 90	322,119 80	142,815 93	8,198 14	151,014 07	473,133 87
Soldiers and Sailors' Orphans' Home.....	46,226 06	25,019 86	7,634 61	46,427 34	8,995 99	134,303 86	.....	5,624 05	5,624 05	139,927 91
School for Feeble-Minded Youth.....	100,565 83	47,334 59	12,914 85	101,069 37	17,500 00	279,384 64	2,973 34	9,997 53	12,970 87	292,355 51
Farm Colony for Feeble-Minded.....	23,675 16	6,281 39	1,921 97	20,593 03	3,756 88	56,228 43	41,543 27	5,715 25	47,258 52	103,486 95
Village for Epileptics.....	48,718 69	10,285 58	4,144 15	62,845 89	11,996 90	137,991 21	159,400 69	4,700 29	164,100 98	302,092 19
State Sanatorium.....	41,294 40	16,965 03	999 98	30,839 95	9,999 78	100,099 14	41,665 65	6,091 22	47,756 87	147,856 01
Robert W. Long Hospital.....	51,166 80	28,438 79	2,154 14	66,773 19	5,128 20	153,661 12	.....	8,000 00	8,000 00	161,661 12
State School for Deaf.....	67,525 41	22,570 44	164 59	37,093 08	6,120 76	133,488 28	.....	3,701 70	3,701 70	137,189 98
School for Blind.....	32,237 22	15,330 67	.....	16,421 86	2,489 67	66,479 52	.....	3,416 28	3,416 28	69,895 80
State Prison.....	119,798 45	83,019 72	25,296 36	89,842 23	6,567 71	324,524 47	10,374 20	1,104 00	11,478 20	336,002 67
Reformatory-- Jeffersonville.....	104,325 87	58,268 20	20,092 15	124,212 41	13,325 68	320,224 31	.....	15,442 42	15,442 42	335,666 73
Pendleton.....	2,118 27	3,508 42	670 35	2,140 75	.....	8,437 79	175,589 61	174,404 79	349,994 40	358,432 19
State Farm.....	28,948 75	11,261 53	8,142 07	47,361 47	5,303 83	101,017 65	.....	16,901 03	16,901 03	117,918 68
Woman's Prison.....	13,962 82	5,147 02	1,562 39	12,890 12	2,703 46	36,265 81	.....	.....	.....	36,265 81
Girls' School.....	44,423 98	23,113 91	4,919 09	46,336 52	5,996 44	124,789 94	4,537 80	1,499 83	6,037 63	130,827 57
Boys' School.....	65,657 59	8,421 56	13,331 28	52,589 52	12,496 97	152,496 92	15,092 89	40,082 27	55,175 16	207,672 08
Total.....	\$1,507,724 85	\$789,009 53	\$159,329 88	\$1,332,331 65	\$260,881 39	\$4,049,277 30	\$912,224 87	\$438,163 58	\$1,350,388 45	\$5,399,665 75

THE STATE INSTITUTIONS
Per Capita Cost of Maintenance for Year Ending September 30, 1922

INSTITUTION	Administra- tion	Subsistence	Clothing	Office, Domestic and Outdoor Departments	Repairs and Minor Improvements	Total	Estimated Value, Per Capita of Inmates, of Farm and Garden Products
Central Hospital for Insane.....	\$137 67	\$82 17	\$12 81	\$82 28	\$49 25	\$364 18	\$5 17
Northern Hospital for Insane.....	107 76	59 81	8 23	98 26	14 56	288 62	35 64
Eastern Hospital for Insane.....	114 25	50 22	9 54	96 91	8 79	279 71	48 02
Southern Hospital for Insane.....	63 71	50 71	8 96	51 00	11 05	185 43	37 22
Southeastern Hospital for Insane.....	106 13	48 66	6 86	92 79	12 10	266 54	41 26
Soldiers' Home.....	170 23	142 87	4 35	159 89	43 89	521 23	.....
Soldiers' and Sailors' Orphans' Home.....	166 94	90 35	27 57	167 66	32 49	485 01	42 40
School for Feeble-Minded Youth.....	71 65	33 72	9 20	72 01	12 47	199 05	30 75
Farm Colony for Feeble-Minded.....	269 16	71 41	21 85	234 12	42 71	639 25	147 87
Village for Epileptics.....	118 92	25 11	10 41	153 40	29 28	336 82	92 70
State Sanatorium.....	264 80	149 90	8 84	272 51	88 36	884 50	115 65
Robert W. Long Hospital.....	456 85	253 92	19 23	596 19	45 79	1,371 98	.....
State School for Deaf.....	224 24	74 88	55	123 20	20 82	443 29	10 30
School for Blind.....	261 31	124 26	.....	133 11	20 18	538 86	.....
State Prison.....	84 97	58 88	17 94	63 72	4 66	230 17	12 68
Reformatory: Jeffersonville.....	113 64	63 47	21 89	135 30	14 52	348 82	10 15
Pendleton (new site).....	21 22	35 16	6 72	21 45	.....	84 55	.....
State Farm.....	52 12	20 27	14 66	85 27	9 55	181 87	75 15
Woman's Prison.....	148 49	54 74	16 61	137 09	28 75	385 68	22 26
Girls' School.....	122 54	63 76	13 57	127 82	16 54	344 23	20 71
Boys' School.....	123 87	15 89	25 15	99 22	23 57	287 70	76 24
Average.....	\$116 20	\$60 81	\$12 28	\$102 68	\$20 10	\$312 07	\$37 33

THE STATE INSTITUTIONS

Year	Population		Expenditures			Per Capita Cost of Maintenance						
	Adminis- tration	Enrolled	Daily Average	Maintenance	Permanent Improvements	Total	Clothing	Repairs	Adminis- tration	Office, Domestic and Outdoor Dep'ts.	Subsist- ence	Total
1905.....	1,486 08	10,315	9,431.92	\$1,555,787 17	\$117,970 18	\$1,673,757 35	\$7 32	\$8 59	\$59 75	\$43 80	\$45 48	\$164 94
1906.....	1,548 91	10,416	9,604.98	1,620,454 48	294,838 47	1,915,292 95	6 96	10 15	61 75	44 27	45 58	168 71
1907.....	1,596 67	10,587	9,763.90	1,540,984 53	232,778 53	1,773,763 06	6 87	8 24	57 88	42 04	42 99	157 82
1908.....	1,648 71	11,120	10,004.58	1,800,469 96	591,751 49	2,392,221 45	7 87	9 73	68 23	44 19	49 94	179 96
1909.....	1,711 99	11,600	10,583.19	1,932,381 33	181,730 38	2,114,111 71	9 10	8 58	66 50	47 54	50 87	182 59
1910.....	1,704 56	11,511	10,523.81	1,991,005 27	396,961 96	2,387,967 23	8 66	10 02	67 53	48 95	54 03	189 19
1911.....	1,899 44	11,801	10,699.79	2,109,833 44	274,845 00	2,384,678 44	8 37	9 30	71 65	54 38	53 48	197 18
1912.....	2,011 97	12,448	11,262.84	2,282,191 19	180,841 34	2,463,032 53	7 25	10 58	74 10	53 83	58 87	202 63
1913.....	2,039 08	12,529	11,437.64	2,318,347 65	316,443 47	2,634,791 12	7 06	10 51	75 48	54 10	55 54	202 69
1914.....	2,069 39	12,708	11,608.76	2,445,016 66	439,625 37	2,884,642 03	7 66	11 96	77 77	55 25	57 98	210 62
1915.....	2,199 39	14,119	12,524.31	2,614,936 84	357,810 91	2,972,747 75	8 29	11 26	76 33	56 49	56 42	208 79
1916.....	2,236 65	14,292	13,130.59	2,794,866 63	300,798 42	3,095,665 05	8 89	11 92	75 82	59 05	57 17	212 85
1917.....	2,174 41	14,464	13,311.59	3,016,582 90	169,537 91	3,186,070 81	8 69	11 23	75 36	61 27	70 06	226 61
1918.....	1,995 53	12,584	12,644.17	3,228,806 37	387,054 43	3,615,860 80	9 21	12 79	79 04	81 53	72 79	255 36
1919.....	1,926 89	12,660	11,616.00	3,306,287 51	237,342 07	3,543,629 58	12 49	14 67	88 10	90 48	80 89	286 63
1920.....	1,821 74	12,342	11,511.37	3,748,893 47	608,465 63	4,357,359 10	15 98	15 75	101 85	103 68	88 41	325 67
1921.....	2,015 86	13,268	12,170.92	4,026,403 02	419,848 72	4,446,251 74	13 17	21 81	111 58	115 30	68 96	330 82
1922.....	2,121 50	13,744	12,975.42	4,049,277 30	1,350,388 45	5,399,665 75	12 28	20 10	116 20	102 68	60 81	312 07

†Owing to the change in the fiscal year the figures are for eleven months only.

STATE INSTITUTION ROTARY FUND

FUND	Balance in Fund, or Appropriation, Oct. 1, 1921	Receipts	Total	Disbursements	Balance Sept. 30, 1922
<i>State Prison</i>					
Binder twine (Burns' R. S. 1914, Sec. 9859).....	\$134,123 05	\$896,479 03	\$1,030,602 08	\$576,248 09	\$454,353 99*
Farm (Acts 1917, p. 557).....	8,807 11	18,866 98	27,734 09	21,997 24	5,736 85*
<i>Reformatory</i>					
Manufacturing trade schools (Burns' R. S. 1914, Sec. 9924).....	2,424 53	178,363 15	180,787 68	150,310 90	30,476 78*
Farm (Acts 1917, p. 216).....	373 95	4,927 44	5,301 39	3,720 77	1,580 62*
<i>State Farm</i>					
Industries (Acts 1920, p. 75).....	20,000 00	91,175 13	111,175 13	67,811 80	43,363 33†
<i>Woman's Prison</i>					
Industries (Acts 1921, p. 293).....	763 87	213 95	977 82	766 80	211 02*
<i>Boys' School</i>					
Industries (Acts 1920, p. 78).....	1,000 00	840 00	1,840 00	748 06	1,091 94†
Total.....	\$167,552 51	\$1,190,865 68	\$1,358,418 19	\$821,603 66	\$536,814 53†

*This balance is credited to the rotary fund of the institution and is available for working capital for the coming year.

†The surplus over the original appropriation reverts to the general fund.

‡This amount was disposed of as follows:

To general fund.....	\$23,455 27
To reimburse rotary funds.....	21,000 00
Credited to institution for working capital for year 1923.....	492,359 26
	<hr/>
	\$536,814 53

THE STATE INSTITUTIONS

With the exception of the Soldiers' Home and the Robert W. Long Hospital, the twenty state institutions under the supervision of the Board of State Charities are maintained by appropriations from the state's general fund, made biennially by the legislature. The Robert W. Long Hospital, being a part of Indiana University, is maintained partly from the funds of that institution, which are derived from a special tax levy. There is also an annual appropriation for the hospital and the school of medicine. The State Soldiers' Home receives a monthly allowance of \$24.00 for each member, officer and employe in the home. The state is subsequently reimbursed by the federal government at the rate of \$120.00 per annum for each soldier. The state is also reimbursed by the several counties for maintenance and clothing in certain of the institutions. Different ways are provided for paying transportation expenses.

The law requires that these institutions shall be conducted on a thorough non-partisan basis. Not more than two members of the board of trustees may be of the same political party.

The Robert W. Long Hospital is managed by a committee from the Board of Trustees of Indiana University. The Soldiers' Home and the Soldiers' and Sailors' Orphans' Home have each five trustees. The boards of the other seventeen institutions have four members each. Only honorably discharged soldiers or sailors may serve as trustees of the Soldiers' Home and the Soldiers' and Sailors' Orphans' Home; none but women may be appointed on the boards of the Woman's Prison and the Indiana Girls' School; one member of the School for Feeble-Minded Youth board, the Soldiers' Home board and of the Soldiers' and Sailors' Orphans' Home board may be a woman. With the exception of the Indiana State Farm, the Robert W. Long Hospital and the Indiana Farm Colony for the Feeble-Minded, these trustees receive an annual compensation of \$300 each. All are allowed reasonable expenses not to exceed \$125 a year. Each board appoints the superintendent of its particular institution, and the superintendent in turn appoints and discharges all officers and employes. Under a law passed by the Legislature of 1921, the trustees of the Soldiers' Home appoint not only the commandant, but the adjutant and four post surgeons. Such appointments must be made on the basis of fitness and regardless of political or religious affiliation. The trustees are forbidden to "solicit or request or in any way interfere with the appointment or discharge of any officer or employe." Campaign assessments are also forbidden (Laws 1907, p. 138).

Supplies are purchased by competitive bids, the contract being awarded to the lowest and best responsible bidder. A central committee, representing the institutions, standardizes the specifications and makes joint purchases of certain supplies.

The law requires annual reports, uniform in character, to be made to the Governor and printed for general distribution. Each institution also makes to the Governor a semi-annual report of all receipts and earnings. The Board of State Charities receives from each a quarterly statistical and financial report, and from all except the Soldiers' Home

and the Robert W. Long Hospital a monthly report of admissions and discharges.

CENTRAL HOSPITAL FOR THE INSANE, INDIANAPOLIS

TRUSTEES

MISS MAE S. HELMER, Terre Haute.

CHARLES JENKINS, Noblesville.

EPH INMAN, Indianapolis.

BURT V. PAGE, Mellott.

SUPERINTENDENT

DR. GEORGE F. EDENHARTER

The legislature of 1844 enacted a law setting aside a special tax of one cent on each one hundred dollars (\$100.00) worth of property listed for taxation, for the erection of a State Lunatic Asylum (Laws, 1844, p. 50). Steps were at once taken to carry out the requirements of the law. A site on West Washington street, three miles from the center of the city of Indianapolis, was purchased August 29, 1845, and the erection of buildings was begun, but it was not until 1848 that it was possible to receive patients. The first was admitted November 21st of that year. The name was changed first to the Indiana Hospital for the Insane (Laws, 1846, p. 220) and later to the Central Indiana Hospital for the Insane (Laws, 1889, p. 391). This institution is one of the largest of its kind in the United States. The district from which it receives patients contains twenty-two counties.

The hospital has a pathological laboratory, completely equipped for scientific study and investigation. A lecture course for physicians and medical students is maintained.

Patients are received on voluntary application or by commitment of an insanity commission, consisting of a justice of the peace in the proper county and two reputable practicing physicians, selected by him or by the judge of the Circuit or Superior Court. The finding of the commission is filed with the Clerk of the Circuit Court, who is responsible for the patient thereafter until received by the state hospital. Clothing and transportation are furnished at county expense, if necessary. Unless otherwise furnished, the first supply of clothing is purchased by the Clerk of the Circuit Court; after admission to the hospital it is furnished by the superintendent, who transmits a bill therefor to the county through the Treasurer of State. All other expenses of the hospital are paid by the state. The hospital may collect for maintenance at the rate of \$4 per week from the estate of a patient if that estate is not needed for the support of near relatives.

The annual report of the hospital for 1915 contains a valuable history of the institution's development.

NORTHERN HOSPITAL FOR THE INSANE, LOGANSPORT

TRUSTEES

MRS. ELMA B. DALTON, Winamac.
MOSES EPSTEIN, Frankfort.
HENRY B. WILSON, Delphi.
C. W. ISENBARGER, LaCrosse.

SUPERINTENDENT

DR. SAMUEL DODDS

The General Assembly of 1883, by an act, approved March 7, made provision for the erection of three additional hospitals for the insane (Laws, 1883, p. 164). The first of these to be opened was the Northern Hospital, located a mile west of Logansport and popularly known as Longcliff. The site was purchased October 4, 1883. The work of construction, which was on the "block plan," began in the following summer, but was discontinued in 1886 because of the exhaustion of funds. It was not until July 1, 1888, that the first patients were received. These came at first from all parts of the state but the hospital is now limited to the care of patients from sixteen counties, designated the northern district for the insane (Laws, 1889, p. 391). The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

EASTERN HOSPITAL FOR THE INSANE, RICHMOND

TRUSTEES

THEODORE BAILEY, Portland.
ALBERT R. JONES, Hagerstown.
MRS. A. K. V. KENNEDY, Liberty.
ED PAUL, Cambridge City.

SUPERINTENDENT

DR. SAMUEL E. SMITH

The Eastern Hospital for the Insane, "Easthaven," located a short distance west of Richmond, was the second of the "additional hospitals" to be opened. The site was purchased August 9, 1883. The hospital has a colony called "Wayne Farms," established in 1913. The institution is constructed on the cottage plan. The arrangement is in the form of a modified quadrangle with the power house in the center and the cottages on two sides and part of the front. The eastern district for the insane which is tributary to this hospital, comprises sixteen counties in eastern Indiana. Some of the buildings were completed in 1887 and were occupied by the School for Feeble-Minded Youth. The school was moved to its new location July 8, 1890, and on August 4, following, the Eastern Hospital received its first patient. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

SOUTHERN HOSPITAL FOR THE INSANE, EVANSVILLE
TRUSTEES

BIRD H. DAVIS, Newport.
WARD POSEY, Terre Haute.
JOSEPH T. AKIN, Sullivan.
J. L. BAYARD, Jr., Vincennes.

SUPERINTENDENT

DR. CHARLES E. LAUGHLIN

The Southern Hospital for the Insane, "Woodmere," was the only one of the three "additional hospitals" whose location was fixed by the legislature (Laws, 1883, p. 164). The law, approved March 7, 1883, stated that one of these should be located at or near Evansville. The site purchased on January 3, 1884, is four miles east of the city. The original building is an arrangement of wings radiating from the central block. Additional wings have been added from time to time. The first patients were admitted October 30, 1890. The hospital receives patients from what is known as the southern district for the insane, composed of the fifteen counties which form the southwestern part of the state. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

SOUTHEASTERN HOSPITAL FOR THE INSANE, NORTH MADISON

TRUSTEES

MRS. LUCIAN HARRIS, Rising Sun.
JOHN F. RUSSELL, Greensburg.
JAMES W. LILLY, Indianapolis.
JOHN T. GUNN, Bedford.

SUPERINTENDENT

DR. JAMES W. MILLIGAN

The crowded condition of the Central Hospital for the Insane led the General Assembly of 1905 to set aside fifteen of the thirty-eight counties then constituting the central district, as the southeastern district, and to establish therein an additional hospital (Laws, 1905, p. 26). Under authority granted by an act approved February 21, 1905, the Governor, August 2, 1910, added Decatur county to the southeastern district. Harrison, Rush, Fayette, Vigo, Clay, Owen and Morgan counties were added June 8, 1911, making 23 counties in all in the district. On September 4, 1905, the commission created by the act selected a site containing 363.79 acres near the city of Madison overlooking the valley of the Ohio river. The buildings are on the cottage plan. The hospital was opened by proclamation of Governor Thomas R. Marshall, August 2, 1910, and the first patients were received August 23, 1910. They were transferred from the Central Hospital. Altogether 511 patients were

received by transfer, 476 from the Central Hospital and 35 from the Eastern Hospital. A farm of 733 acres was purchased in 1918 for colony purposes. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

THE SOLDIERS' AND SAILORS' ORPHANS' HOME, KNIGHTSTOWN

TRUSTEES

DANIEL F. MUSTARD, Anderson.

IDA S. McBRIDE (Mrs. R. W.), Indianapolis.

JAMES S. ENGLE, Winchester.

JOSEPH MINTURN, Indianapolis.

SUPERINTENDENT

LUTHER SHORT

The Indiana Soldiers' and Seamen's Home for the maintenance of sick and disabled soldiers and seamen, their widows and orphans, was authorized by an act approved March 11, 1867 (Laws, 1867, p. 190). It was formally opened June 15, 1867, in the Home for Disabled Soldiers, previously established at Knightstown by a private corporation. On the morning of December 25, 1871, fire destroyed that part of the institution occupied by the soldiers and they were moved to the National Military Home at Dayton, Ohio. The orphans were left in full possession of the home until the legislature of 1879 provided for the care therein of feeble-minded children (Laws, Special Session, 1879, p. 76). The two classes of inmates were maintained in the home until 1887, when the institution was reorganized as the Soldiers' and Sailors' Orphans' Home (Laws, 1887, p. 16), and the feeble-minded children were removed to new quarters. The home has twice been destroyed by fire—September 8, 1877, and July 21, 1886—but in each case promptly rebuilt. It is located in Rush County, two miles south of Knightstown. Educational, religious and industrial training is given.

The law provides for the admission of orphans and children of honorably discharged soldiers, sailors, marines and nurses of the United States, of the Civil War, or the war with Spain, or the war in the Philippine Islands, the China relief expedition, or the war with Germany, or in the regular service of the United States, residing in this state, under the age of sixteen years, who may be destitute of means of support and education. They may remain in the home until 18 years of age unless sooner discharged for cause. The control of the child remains with the person who applies for its admission and must be returned upon written application if the trustees are satisfied with the conditions of the home to which the child is to be taken. Blank application papers may be obtained by addressing the superintendent. If transportation is not otherwise provided, it can be obtained from the township trustee. It will be paid by the county if the child is a county ward. All the expense of maintaining the institution is borne by the state.

THE STATE SOLDIERS' HOME, LAFAYETTE

TRUSTEES

WINFIELD T. DURBIN, Anderson.
MRS. CAROLINE B. MORRISON, Lafayette.
J. BENNETT LYONS, Brook.
D. N. FOSTER, Fort Wayne.
DR. CLARK ROGERS, Indianapolis.

COMMANDANT

WILLIAM N. LOUDEN

After the Soldiers' and Seamen's Home at Knightstown was burned, in 1871, the state made no provision for the care of this class of citizens until the Indiana State Soldiers' Home was opened in July, 1896, at Lafayette. This home is "an institution for the support of disabled or destitute soldiers, sailors and marines and their wives or the destitute widows of such soldiers, sailors and marines." It was established by an act approved February 23, 1895 (Laws, 1895, p. 40).

While the men who have served the United States in any of its wars can be received, preference may be given to Indiana military organizations. The wives and widows of Civil War veterans cannot be received unless they are over 45 years of age and the contract of marriage was entered into more than two years prior to the passage of the act of 1911. Only such as are without means of support and who are, and for five years immediately preceding application have been, residents of the state are eligible to admission (Laws, 1915, p. 595, and Laws, 1921, p. 492). Honorably discharged, destitute army nurses who were citizens of Indiana when employed and have been such for one year immediately preceding application may also be received (Laws, 1905, p. 46). Application blanks are furnished by the home.

The home is supported by the state at the rate of \$24 per month for each member, officer and employe thereof. The state is reimbursed by the United States to the extent of \$120 per year for each soldier. Under certain circumstances, the board of trustees has authority to require pensioned members to turn over to the state all their pension in excess of a specified amount, and this can be used by the board of trustees in any manner that will add to the comfort and welfare of the members (Laws, 1921, p. 493). The institution buildings include a number erected by the state and several frame cottages constructed by counties or by private funds.

SCHOOL FOR FEEBLE-MINDED YOUTH, FORT WAYNE

TRUSTEES

JAMES W. SALE, Bluffton.
EDWARD M. WILSON, Fort Wayne.
MRS. E. A. GOULD, Peru.
T. F. FITZGIBBON, Muncie.

SUPERINTENDENT

DR. BYRON E. BIGGS

Mention has already been made of the law approved March 15, 1879, which established "the Asylum for Feeble-Minded Children" as an adjunct to the Soldiers' and Sailors' Orphans' Home at Knightstown. The department set aside for this purpose was occupied November 1, 1879. In 1887, the legislature, by an act approved March 7, gave the institution an independent existence, changed its name to the Indiana School for Feeble-Minded Youth, appropriated necessary funds for the erection of a new institution at Fort Wayne and authorized the trustees to take immediate charge of the feeble-minded children then at the asylum (Laws, 1887, p. 47). The present site at Fort Wayne was purchased May 19, 1887. Certain buildings of the Eastern Hospital for the Insane at Richmond were utilized as temporary quarters for the children from May 1, 1887, to July 8, 1890, when the new institution was opened.

The admission of inmates is regulated by Chapter 192 of the Acts of 1911 and Chapter 41 of the Acts of 1919. Feeble-minded and idiotic children between the ages of six and sixteen years are received on voluntary application of parents or guardians or by Circuit Court commitment. For these the school maintains both a custodial and an educational department. The institution has two farm colonies. The first was begun on leased land in 1893 and afterward established permanently on a farm purchased by the state (Laws, 1895, p. 312), thus recognizing the principle of colony farms. A second farm was purchased in 1918. Feeble-minded women from sixteen to forty-five years of age, "who are not pregnant or helpless, and who are not afflicted with any contagious or communicable disease," are received, if there is room, when committed by the Circuit Court. This department was authorized by the General Assembly of 1901 (Laws, 1901, p. 156). Two cottages with a capacity of 118 and 144, respectively, have been built for this class of inmates. Admission blanks are supplied by the superintendent on request. For the commitment of adult women, any person may file a petition with the Clerk of the Circuit Court. The cost of the proceedings is paid by the county. The county, if necessary, furnishes clothing and transportation. The state bears all maintenance expense, except of inmates who have sufficient estate of their own or whose parents or guardians are able to pay, in which event the board of trustees may require them to pay for or contribute to their support.

THE FARM COLONY FOR FEEBLE-MINDED, BUTLERVILLE

TRUSTEES

WM. P. KELLER, Columbus.
WILLIAM AITKENHEAD, Lafayette.
ELMER E. SCOTT, Madison.
WILLIAM L. CLARK, Seymour.

SUPERINTENDENT

ERNEST E. CHENOWETH

Indiana's newest state institution, the Farm Colony for the Feeble-Minded, was established in 1919 (Laws, 1919, p. 480) and opened December 13, 1920. It is located on a tract of 1,813.71 acres of land, seven miles east of North Vernon. Postoffice, Butlerville. Inmates are received on commitment by the Circuit Court, if there is room in the institution and if the superintendent determines that the case is admissible. An examination is conducted by two physicians appointed by the court. Application may be made by any reputable citizen of the county concerned, without becoming liable for any of the costs arising therefrom. Clothing and transportation are furnished by the county. Unless otherwise provided, the first supply of clothing is purchased by the Clerk of the Circuit Court; thereafter, by the institution, the bill therefor being sent to the county through the Treasurer of State. All other expenses of the institution are paid by the state. If an inmate has an estate or if his parents are financially able to pay for his support, the state is reimbursed a definite amount fixed by the board of trustees.

THE INDIANA VILLAGE FOR EPILEPTICS, NEWCASTLE

TRUSTEES

DR. WILMER CHRISTIAN, Indianapolis.
HARRY C. SCEARCE, Mooresville.
RUSH G. BUDD, Rushville.
I. M. BRIDGMAN, Winchester.

SUPERINTENDENT

DR. W. C. VAN NUYS

The Village for Epileptics was authorized by an act approved March 6, 1905, and a 1,245-acre site (afterward increased to 1,334.8 acres) near Newcastle was purchased one year later. The purpose of the institution is "the scientific treatment, education, employment and custody of epileptics" (Laws, 1905, p. 483). The first patient was received September 16, 1907. All epileptics having a legal settlement in the state are admissible, on commitment by the Circuit Court. The petition for commitment must be filed by a "reputable citizen of the county." A medical examination is conducted by two physicians appointed by the court. Hopeful cases have the preference in all admissions. No hopelessly or

violently insane persons can be received. If not otherwise provided, clothing is furnished, first by the Clerk of the Circuit Court at county expense, and afterwards by the institution. In the latter event, the state is reimbursed by the county. The traveling or incidental expenses of both patients and attendants to and from the Village are paid by the county. Except for the clothing account, the institution is maintained by the state. The Village may collect for maintenance at the rate of \$4 per week from the estate of a patient if that estate is not needed for the support of near relatives.

INDIANA STATE SCHOOL FOR THE DEAF, INDIANAPOLIS

TRUSTEES

WARREN F. BIGLER, Wabash.

WM. M. WALDSCHMIDT, Cannelton.

KIRBY RISK, Lebanon.

JOHN C. WILLIAMS, Anderson.

SUPERINTENDENT

O. M. PITTENGER

"The Asylum for the Education of the Deaf and Dumb" was authorized by an act of the legislature, approved January 15, 1844 (Laws, 1844, p. 36). The institution was opened in a rented building on the southeast corner of Illinois and Maryland streets, Indianapolis, October 1, 1844. On October 1, 1846, the school was moved to a larger building on the south side of Washington street, between Pennsylvania and Delaware streets. A site on East Washington street was acquired in 1846, and the building erected thereon was occupied October 2, 1850. An act of the legislature of 1903 (Laws, 1903, p. 400) provided for the re-location of the school. On May 12, 1905, a commission composed of the Governor, the Attorney-General and the board of trustees of the institution, purchased a tract containing 76.93 acres of land four miles north of the center of Indianapolis. The school was opened there October 11, 1911. The name of the institution was changed by the legislature of 1907 to the Indiana State School for the Deaf (Laws, 1907, p. 138).

This is an educational institution, so classified by law. It is open to all deaf children residents of the state and of suitable capacity for receiving instruction from eight to twenty-one years of age. Attendance is compulsory for children between the ages of seven and eighteen years, provided their application is accepted by the board of trustees (Laws, 1913, Chapter 213). The law requires parents and guardians to furnish all necessary clothing and pay traveling expenses. All other expenses are borne by the state. If the superintendent provides clothing and transportation for indigent children, he files a bill thereof with the Treasurer of State, who collects the amount from the proper county. Pupils are received on application to the superintendent, who furnishes the necessary blanks. The school year is nine months, beginning ordinarily in September and closing in June.

INDIANA SCHOOL FOR THE BLIND, INDIANAPOLIS**TRUSTEES**

WALTER E. RICH, Indianapolis.

W. D. BYNUM, Indianapolis.

ELLA MARSH HOUGH (Mrs. William), Greenfield.

CHARLES BUTLER, Crawfordsville.

SUPERINTENDENT

GEORGE S. WILSON

By an act approved January 27, 1847, provision was made for the establishment of the Indiana Institute for the Education of the Blind (Laws, 1847, p. 41). On October 1, 1847, the school was opened in rented property, the building contemplated by the law not being ready for occupancy until about the middle of February, 1853. This building, located on North street, between Pennsylvania and Meridian streets, Indianapolis, is still in use. The name of the institution was changed in 1907 to the Indiana School for the Blind (Laws, 1907, p. 138). The purpose of the school is purely educational. Four distinct and well-equipped departments are maintained: (1) physical culture; (2) manual and industrial training; (3) the school of music, and (4) the school of common and high school branches. What has been said regarding the admission of pupils and the maintenance expense of the School for the Deaf applies also to the School for the Blind.

THE INDIANA STATE SANATORIUM, ROCKVILLE**TRUSTEES**

MRS. NEVADA DUNCAN, Cloverdale.

JAMES S. WRIGHT, Vevay.

CLEMENT KELLY, Clayton.

PARK BEADLE, Rockville.

SUPERINTENDENT

DR. AMOS CARTER

By an act approved March 8, 1907, the General Assembly authorized the establishment of a hospital for the treatment of incipient pulmonary tuberculosis (Laws, 1907, p. 198). The commission created by the act selected a site, containing 504 acres, four miles east of Rockville, and purchased it in September, 1908. The hospital was opened April 1, 1911. The name was changed by the legislature of 1919 to "The Indiana State Sanatorium."

Only such persons, having legal settlement, as are afflicted with incipient pulmonary tuberculosis can be received. The law gives preference to indigent or partially indigent citizens. Such persons are received on the certificate of the township trustee as to their ability, or inability,

to pay, and of a physician that the disease is in the incipient stage. If there is room in the hospital, after indigent and partially indigent patients are provided for, other citizens may be received at their own expense. The hospital charges not to exceed \$9.00 per week for care and treatment. Whatever is not paid by the patients themselves is made up by the county, but the county has a right of action against pay patients and part-pay patients who neglect to pay the amount fixed in their application. There is no age limit. The superintendent is prohibited from accepting any patients whose disease is beyond the incipient stage. Traveling expenses of indigents to and from the hospital are paid by the township trustee from the poor fund. The state bears all the expense of maintaining the hospital.

THE ROBERT W. LONG HOSPITAL, INDIANAPOLIS

TRUSTEES

J. W. FESLER, Indianapolis.

SAMUEL E. SMITH, M. D., Richmond.

BENJAMIN F. LONG, Logansport.

ADMINISTRATOR

ROBERT E. NEFF

The Robert W. Long Hospital of Indiana University was established through the generosity of Dr. and Mrs. Robert W. Long, their desire being to make it possible "for worthy persons of limited means from all parts of Indiana to secure hospital advantages and the services of the best physicians." Their bequest was accepted by the General Assembly of 1911, and the faith of the state was pledged to carry out its object (Laws, 1911, Chapter 8). The hospital was opened June 15, 1914. The trustees of Indiana University are charged with its administration. A training school for nurses is conducted, and the University Department of Social Service has its office in a building nearby.

The hospital is located at No. 1076 West Michigan street, about one mile from the center of the city of Indianapolis. It is open to patients requiring medical, surgical, orthopedic or obstetrical care. All persons who are wards of the state and persons who are certified by township trustees or other qualified authorities to be unable to pay, are admitted and cared for free of charge. Pay patients are received at rates fixed by the management.

INDIANA STATE PRISON, MICHIGAN CITY

TRUSTEES

JOHN B. STOLL, South Bend.

JOHN L. MOORMAN, Knox.

MICHAEL E. FOLEY, Indianapolis.

JESSE C. ANDREW, West Point.

WARDEN

EDWARD J. FOGARTY

This institution was established by authority of an act, approved March 5, 1859, providing for the erection of a prison in that part of the state north of the National Road (Laws, 1859, p. 135). It was first known as the Northern Indiana State Prison. Its site at Michigan City was chosen March 1, 1860, and approved by the Governor the next day. The organic law required that a certain number of convicts should be transferred from the Jeffersonville prison and their labor utilized in the work of construction. The first detachment of these arrived at Michigan City, April 5, 1860, and was housed in temporary quarters. The new institution was made a receiving prison by an act approved June 1, 1861 (Laws Special Session, 1861, p. 81), and from that day until April 1, 1897, was the place of confinement for all males sentenced to State Prison from the counties north of the National Road. An act approved February 26, 1897 (Laws, 1897, p. 69), converted this institution into the Indiana State Prison for the incarceration of men convicted of any crime, the sentence for which is death or life imprisonment, also all men thirty years of age or over, convicted of felony in any court in the state, and men transferred from the Indiana Reformatory. The institution is maintained wholly by the state. The counties pay transportation expenses of sheriffs and prisoners.

The Indiana Hospital for Insane Criminals was established under Chapter 87 of the Acts of 1909. It was opened October 12, 1912. Its grounds adjoin the state prison enclosure and it is under the same management. To this hospital, state prison and reformatory inmates, adjudged insane by a lunacy commission, can be committed on the order of the Governor. The law requires that the "next friend" or a relative shall be notified of the proposed inquest and he may be present if he so desires. It further requires that a notification shall be sent to the secretary of the Board of State Charities. The defendant in a criminal cause, if found to be insane, may be committed to this hospital by the court, and insane convicts in any state hospital for the insane may be transferred thereto. Inmates are held so long as their insanity continues. Insane criminals must be returned to the penal institution from which they were transferred if they recover their sanity before the expiration of the term for which they were sentenced.

INDIANA REFORMATORY, JEFFERSONVILLE

TRUSTEES

OREN S. HACK, Indianapolis.
CHARLES MOUCH, Newcastle.
JOSEPH E. HENNING, Anderson.
W. W. CAVE, French Lick.

SUPERINTENDENT

GEORGE A. H. SHIDELER

The first state institution established in Indiana was the State Prison at Jeffersonville. It was authorized by an act of the legislature, approved January 9, 1821 (Laws, 1821, p. 24). The first prisoner was received November 1, 1822. Provision was made by the legislature of 1859 for another prison north of the National Road (Laws, 1859, p. 135). It was opened at Michigan City in 1860. From that date until 1897 the institution at Jeffersonville was known as the Southern Indiana State Prison and its prisoners were committed from the counties south of the National Road. In accordance with an act, approved February 26, 1897 (Laws, 1897, p. 69), the State Prison South, on April 1st of that year became the Indiana Reformatory.

Men who are more than sixteen and less than thirty years of age, convicted of felony in any court in the state, are committed, unless the sentence is death or life imprisonment, to the custody of the board of trustees of the Reformatory to be confined by them at the Reformatory or such other place as they may determine. With the consent of the Governor, the board of trustees can transfer to the State Prison any inmate who is found to have been more than thirty years of age at the time of his conviction, or to have been previously convicted of felony; and it may also transfer any apparently incorrigible prisoner, whose presence in the Reformatory appears to be seriously detrimental to the well-being of the institution, or one who has been adjudged insane under the law establishing the Indiana Hospital for Insane Criminals.

All expenses of the institution are borne by the state. Location, in the town of Clarksville, adjoining Jeffersonville on the west.

THE INDIANA STATE FARM, PUTNAMVILLE

TRUSTEES

CHARLES C. HUESTIS, Greencastle.
JOHN KLINGLER, Brazil.
CLAUDE GREGG, Vincennes.
JOHN T. BOYD, Vincennes.

SUPERINTENDENT

RALPH HOWARD

The Indiana State Farm for male misdemeanants corresponds in purpose to the Correctional Department of the Woman's Prison. Both

are designed to receive persons convicted of misdemeanor, who under previous laws served their sentence in county jails.

The State Farm is located on a tract of 1,892 acres, about three-fourths of a mile west of Putnamville and six miles south of Greencastle. It was established by authority of Chapter 236, Acts of 1913, following the recommendation of a legislative commission, created by Concurrent Resolution No. 4, General Assembly of 1911. A commission, appointed May 30, 1913, by Governor Samuel M. Ralston, purchased the site and made its report to the Governor April 28, 1914. The Board of State Charities, under date of May 4, 1914, formally approved the site, as provided by law. The first board of trustees was appointed August 17, 1914.

The law provided that the preliminary construction should be done by prisoners from the State Prison and the Reformatory. The first to arrive were 24 men from the State Prison, November 30, 1914. They were housed in tents. Twelve men were transferred from the Reformatory February 11, 1915. By April 12, 1915, a storeroom, a kitchen and dining-room and one dormitory building were ready for use, and the farm received its first committed men on that day.

This is an industrial farm colony. It is being built and its many activities are being carried on by the prisoners themselves. The law governing commitments (amended by Chapter 33 of the Acts of 1919) provides that men over sixteen years of age, convicted of misdemeanor by circuit, superior, criminal or city courts, shall be sentenced to the State Farm. A proviso authorizes the judge to commit the defendant to the jail or workhouse if the sentence is thirty days, or less, or if the fines and costs assessed would require him to serve not more than thirty days.

The maintenance expenses are paid by the state. Transportation to the farm is paid by the counties. The expense of returning a discharged prisoner to the place of his commitment or to such place equally distant as he may choose to go, is paid by the state and reimbursed by the counties.

INDIANA WOMAN'S PRISON, INDIANAPOLIS

TRUSTEES

MRS. CHARLOTTE J. DUNN, Indianapolis.
MRS. ALICE WILKIE POYNTER, Sullivan.
MISS MARGARET NEELY, Martinsville.
MRS. JOSEPH B. KEALING, Indianapolis.

SUPERINTENDENT

MISS MARGARET M. ELLIOTT

The Indiana Reformatory Institution for Women and Girls was founded by an act of the General Assembly, approved May 13, 1869 (Laws, 1869, p. 61). The institution, located about one and three-fourths miles from the center of the city of Indianapolis, was opened October 4, 1873, there being received that day all the women then im-

prisoned in the State Prison at Jeffersonville. While the organic act provided for separate buildings for the women and girls, both were housed under one roof. The name of the institution was changed first to the Reform School for Girls and Woman's Prison (Laws, 1889, p. 322), and ten years later the two departments were made distinct and called the "Industrial School for Girls" and the "Indiana Woman's Prison" (Laws, 1899, p. 22). This change in name, however, did not obviate the unsatisfactory conditions growing out of the dual nature of the institution, and in 1903, the legislature authorized the erection of new buildings for the girls (Laws, 1903, p. 524). It was stipulated that the new location was to be outside of Indianapolis, but within ten miles thereof. The girls were moved in July, 1907. The quarters thus vacated were remodeled and occupied as the Correctional Department of the Indiana Woman's Prison, established by Chapter 135 of the Acts of 1907. To this department are committed women misdemeanants above the age of commitment to the Indiana Girls' School (eighteen years). If "the imprisonment adjudged is 30 days or less, or if the fine and costs assessed, when not paid or replevied, would not require the defendant to serve more than 30 days," it is left to the discretion of the court to commit the offender to the Correctional Department or to the county jail or workhouse. All the expenses of this department are borne by the state, the respective counties paying the transportation of the committed prisoners. The Woman's Prison proper receives women, more than eighteen years of age, convicted of a felony by any court of competent jurisdiction. The state bears all expenses, both of maintenance and transportation. The indeterminate sentence law applies to the prison, but not to the Correctional Department.

The law requires that the superintendent and the members of the board of trustees shall be women.

INDIANA GIRLS' SCHOOL, CLERMONT

TRUSTEES

MRS. SAMUEL M. RALSTON, Indianapolis.

MRS. L. G. ROTHCHILD, Indianapolis.

MRS. ELLA F. BALLARD, Crawfordsville.

MRS. FRANCES BEADLE, Lafayette.

SUPERINTENDENT

DR. KENOSHA SESSIONS

First established in 1869 as a part of the Indiana Reformatory Institution for Women and Girls, in Indianapolis, this institution has been variously known as the Reform School for Girls (1889), the Industrial School for Girls (1899), and the Indiana Girls' School (1907). It was housed in the same group of buildings as the Woman's Prison until July 11, 1907, when it was moved to a new location as authorized by an act approved March 11, 1903 (Laws, 1903, p. 524). The new school, constructed on the cottage plan, is located on a farm of 127½ acres,

seven and one-half miles northwest of Indianapolis. Its postoffice address is Rural Route B 1, Indianapolis.

Girls from 10 to 18 years, inclusive, are committed by the several juvenile courts to the custody of the board of trustees, to be confined at the school or such other place as may be designated by the board, where they can be most faithfully and properly cared for, until they reach the age of 20, unless sooner released by the board. The board, with the consent of the Governor, may transfer to the Woman's Prison any girl more than 18 years old, who has been committed for crime and whose presence is detrimental to the school. The law prohibits the commitment of a girl who is epileptic, insane, feeble-minded, paralytic, or afflicted with a contagious disease, and should this condition (except the last named) develop within six months after commitment, or if within the same time a girl is found to be pregnant, she may be returned to her county (Laws, 1909, Chapter 171, as amended by Laws, 1911, Chapter 262, and Laws, 1913, Chapter 266).

The school is maintained by the state, the counties paying one-half the estimated cost of support. When a girl is committed at the instance of her parents or guardians, they shall, if able to do so, pay the cost of her transportation to the school and of her clothing and subsistence while an inmate there.

The law provides that the superintendent and the members of the board of trustees shall be women.

INDIANA BOYS' SCHOOL, PLAINFIELD

TRUSTEES

EDWIN M. CARTER, Rockville.

JESSE A. GREEN, Fort Wayne.

PERRY DAVIS, Clarkshill.

JACOB G. DEPREZ, Shelbyville.

SUPERINTENDENT

CHARLES A. MCGONAGLE

The Constitution of Indiana (1851, Art. 9, Sec. 2) declared that the state should provide houses of refuge for the correction and reformation of juvenile offenders. The first action of the General Assembly looking to this end was the law approved March 8, 1867, establishing "the House of Refuge for Juvenile Offenders" (Laws, 1867, p. 137). The institution was located on a farm one mile southwest of the village of Plainfield and was occupied January 1, 1868. Its name was changed in 1883 to the Indiana Reform School for Boys (Laws, 1883, p. 19), and twenty years later to the Indiana Boys' School (Laws, 1903, p. 172).

The school receives boys from ten to sixteen years of age committed for violation of criminal laws and from ten to seventeen years for incorrigibility, no commitment being for a shorter period than until the boy attains the age of twenty-one years. The boys are committed by the several juvenile courts to the custody of the board of trustees of the school, to be confined there or in any place designated by the board,

where they can be most faithfully and properly cared for. The law specifies that no boy shall be committed to the school "who is not of sound intellect and free from cutaneous and other contagious diseases, or who is subject to epileptic or other fits." The board has authority to release the boys at any time on trial and may, at its discretion, discharge them at the age of eighteen. With the consent of the Governor, the board may transfer to the Indiana Reformatory any boy convicted of crime, who is more than seventeen years old and whose presence in the school is detrimental (Laws, 1903, p. 251).

The state maintains the institution and is reimbursed by the counties having boys there to the extent of one-half the estimated cost of support, not including the use of the grounds and buildings.

The institution has its own schools, graded like those of the public schools. It also provides manual and industrial training.

REPORT OF ATTORNEY GENERAL

REGISTER OF DEPARTMENT OF LAW

U. S. LESH, Attorney General.

SUMNER KENNER, Assistant Attorney General.

(from Jan. 1st, 1920, to Aug. 10, 1922)

EDWARD M. WHITE, Assistant Attorney General.

(Appointed September 1st, 1922, was First Deputy Attorney General from Jan. 1st, 1920, to Aug. 31st, 1922)

CONNOR D. ROSS, First Deputy Attorney General

(Appointed October 1st, 1922)

JOHN G. McCORD, Traveling Deputy Attorney General

HARRIETTE HARRIS, Stenographer and Clerk

MAUDE LUCAS, Stenographer

CRIMINAL CASES

For the fiscal year of 1921-1922 there have been briefed prior to October 1, 1921, and decided since, twenty-seven cases, of which three were dismissed, sixteen affirmed, and eight reversed. For the same period, there have been briefed and decided twenty cases of which eighteen have been affirmed and two reversed. For the same period, there have been briefed but not decided, twenty-nine cases.

COMMENTS ON SOME OF THE MORE IMPORTANT CRIMINAL CASES

The case of Ora Cline vs. State of Indiana appealed from Rush Circuit Court, sitting as a Juvenile Court, to the Appellate Court, has given rise to interesting discussions of the method of procedure in juvenile cases tried in circuit courts to the appellate court. In this case an adult was convicted in the Juvenile Court in Rush County of contributing to the delinquency of a girl under the age of eighteen. The procedure upon taking this appeal to the Appellate Court did not follow the rules laid down by the statute for appeals in juvenile court cases and for that reason the Appellate Court dismissed the appeal April 21, 1922. The rehearing was afterwards denied and the appellant petitioned to transfer the cause to the Supreme Court upon the ground that there was no such thing as the Rush Juvenile Court and that this cause was a criminal proceeding and should have been appealed to the Supreme Court. The state has filed briefs protesting against such transfer. No ruling has been made upon the petition to transfer.

In the case of Coons vs. State, reported in 134 N. E. 194, the Judge of the Circuit Court of Delaware County adjudged the members of the grand jury in contempt of court because of the contemptuous and libelous language in which the report of the grand jury referred to said judge. The grand jury charged that the judge blocked the

efforts of the prosecuting attorney in the prosecution of a certain criminal and connived at his acquittal. The Supreme Court held in reviewing the case that it was not within the powers of the grand jury to charge any public officer with the commission of a felony in a so-called report, and that although the grand jury is highly privileged it has no privilege to commit contempt of court. The court also held this to be a direct contempt and that the judge was under no necessity to justify himself in damages for a libel. The judgment of the lower court was affirmed.

The case of William Miller vs. State, reported in 134 N. E. 209 was brought to test the school attendance law (Acts 1921, chapter 132, page 337), by the parent of a child under the age of sixteen years who had been graduated in the elementary school in the township of her residence but refused to attend school further. The court held that after the completion of the 8th grade in a township school that the parent of a child under the age of sixteen years was required to send such child to the public high school of the township wherever situated therein, and that it is not sufficient compliance with the law to send the child to another elementary school.

Rosenberg vs. State, reported in 134 N. E. 856 was a prosecution for grand larceny for the stealing of an automobile in Lafayette. The case was interesting for the exemplification of changing rules of review by the Supreme Court and reasserts the decision in Wrassman vs. State, that if two conflicting inferences may be reasonably drawn from the evidence by the trial court, it is not for the Supreme Court to determine which inference ought to control the jury. The court also stated that when stolen property recently after a larceny is found in the exclusive possession of one other than the owner a presumption arises that he is the thief in the absence of any showing that such possession was innocently acquired. The judgment of the lower court was affirmed and petition for rehearing denied, but Judge Ewbank in a dissenting opinion upon the petition for rehearing stated that in his estimation the rule announced by the majority of the court with reference to the presumption arising from possession as above quoted was too broadly stated. He urged that no presumption should be recognized unless accompanied by a failure to account for the possession or the giving of a false and unreasonable account.

In the case of Peters vs. State, reported in 132 N. E. 256, a young boy of eighteen was urged by a junk dealer to get brass for him as often as he could and told him where he might steal it. The boy followed the suggestion of the junk dealer and stole quantities of brass about as much as he could carry at a time several different times, the transaction covering a period of about a year. No single load of brass thus stolen and delivered to the junk man was of the value of \$25.00 but the three hundred pounds and more of brass which was the aggregate of the thefts, was worth considerably more than that sum. The court held that where stolen goods are received at several times in pursuance of a conspiracy as to the particular goods that the values of all the goods received may be aggregated in fixing the grade of the offense.

The case of Kilgallen vs. State, reported in 132 N. E. 682, was a prosecution of the publisher of a newspaper for articles contained in his newspaper concerning the action of the grand jury and the courts in the handling of a criminal trial. The articles were libels in reflecting against the grand jury and court officials. The court held that this was an indirect contempt; that the publisher could not exonerate himself from liability by denying that he had knowledge of the article prior to its publication; and that the proprietor of a public paper must use reasonable precaution to prevent the publication of a libel. The judgment of the lower court was affirmed.

The case of Burns et al. vs. State, not yet reported, was an appeal by the four young men who held up the Culver Bank and robbed it, and in making their get-away shot a citizen who had armed himself and was trying to prevent their escape. The court held that each one of the robbers was guilty of murder in the first degree, by this murder of a citizen while they were in the act of committing a felony. The judgment of the lower court was affirmed, but is not yet reported.

One of the bootlegging cases in which the defendant was convicted in the lower court and the judgment affirmed in the Supreme Court has been appealed to the United States Supreme Court. This is the case of Palmer vs. State coming from the Vigo Circuit Court. The contention by the appellant was that the passage of the 18th amendment rendered inoperative all existing state laws by which the prohibition of the manufacture and sale of intoxicating liquor was being enforced. Appellant conceded that such amendment gave the state legislature the right to pass laws enforcing such prohibition, but insisted that they must be passed after the passage of the amendment. The court held that the grant of authority in the amendment to enforce the prohibition by United States and the state concurrently gave effect to existing laws, in line with numerous decisions of a similar character in other state and Federal courts.

STATE BOARD OF ACCOUNTS CASES

Under the present law, all reports of field examiners of the State Board of Accounts which contain charges against public officers or other persons, and which that department does not succeed in adjusting, are placed with the Attorney General for collection.

At the beginning of the fiscal year of 1921-22 there were pending in this department 238 reports. During the fiscal year 16 additional reports were transmitted to the Attorney General, and 117 returned to the State Examiner, on account of having been settled, or found to be uncollectible because of judgments of courts or otherwise. These include a large number of charges against township trustees which were held erroneous by the Appellate Court in the case of Eagle Township vs. Phillippi, 135 N. E. 182.

There are now pending in this department 137 reports, containing charges against 137 public officers and other persons and corporations, in the total sum of \$434,817.38. Forty-two suits are pending in various courts to recover \$229,566.94 of this amount. Most of these suits present purely legal questions, and recovery will depend on the

view which the courts may take of the law. The right to recover an additional \$135,214.17 of the total charges will also be determined by these suits. An additional \$28,955.52 consists of charges against road contractors, which the Appellate Court has held cannot be recovered by the Attorney General under the law (*State ex rel. v. Clamme*, 134 N. E. 676). The reports containing these charges are being held, pending the action of the Supreme Court on a petition to transfer the case referred to. Efforts are being made to adjust the remaining charges, amounting to \$41,080.75, without suit.

During the fiscal year the Attorney General collected \$6,835.16 on account of these charges, all of which has been paid to the municipalities entitled to receive it.

CIVIL CASES

The following is a list and status of civil cases pending or disposed of during the fiscal year of 1921-1922.

Matter of Petition of James A. Matchett. Petition by Conservation Department to be made party to a drainage petition; petition granted; answer of department of Conservation filed; pending.

Petition of Homer King, et al. for Drainage. Kosciusko Circuit Court; Conservation Department made a party defendant on application. Answer filed; pending.

Union Traction Company v. Public Service Commission (3 cases). Marion Circuit Court; to vacate order requiring plaintiff to pay fees; demurrer of defendant filed in each case; pending.

City of Mt. Vernon v. Public Service Commission. Posey Circuit Court; to set aside order of Commission; answer filed; pending.

State ex rel. Pearl M. Schuk v. Margaret Elliott, et al. Marion Circuit Court; demurrer of defendant filed; sustained; plaintiff ruled to plead over; pending.

Carrie Cooke v. E. W. Harper, Clerk, etc. To recover money on recognizance bond; appealed to Appellate Court; affirmed May 10, 1922.

William Miller v. State. Appeal from Juvenile Court of Lagrange County to Appellate Court. Case brought against appellant for failing to send child to school; affirmed January 12, 1922.

Valparaiso Lighting Company v. Public Service Commission. Laporte Circuit Court; to set aside order of Commission; pending.

New Jersey, Indiana and Illinois Railroad v. Public Service Commission, et al. St. Joseph Circuit Court. Venued to Superior Court of Laporte County; tried; finding of facts and judgment for the defendants January, 1922.

City of Hammond v. Public Service Commission and Illinois Bell Telephone Company. Lake Circuit Court. Venued to Porter Circuit Court on motion of Bell Telephone Company; to set aside order of the Public Service Commission; pending.

State ex rel. Bryant v. Ed Jackson, Secretary of State. Mandamus proceedings. Superior Court of Marion County; judgment for defendant; appealed to the Supreme Court; affirmed November 23, 1922.

Elizabeth Helms v. Wilbur Christian, et al. Trustees. Henry Circuit Court; to declare void legacy left to the Epileptic Village; January 1922 defendants amended answer filed; pending.

City of Mt. Vernon v. Public Service Commission and Mt. Vernon Electric Light and Power Company. Mt. Vernon Circuit Court; defendants file demurrer for defect of parties; pending.

City of Elkhart, et al. v. Public Service Commission. Injunction against order of the Commission; appealed by the Commission to Supreme Court; appeal dismissed; cause settled.

Orville P. Foreman v. Public Service Commission. Superior Court Marion County; to set aside order of Commission fixing gas rates; January 1922 demurrer filed by defendant; pending.

Gas Users Protective Association, et al. v. Public Service Commission and Citizens Gas Company. Marion Circuit Court; defendant files motion to strike out parts of complaint; pending.

Kokomo Water Works Company v. Public Service Commission. Howard Circuit Court; to set aside order of the Commission; tried; judgment for plaintiff; appeal to Supreme Court by Public Service Commission; pending.

George Scott v. State ex rel. Stansbury. Appeal from the Superior Court of Marion County to Appellate Court; affirmed.

Board of Commissioners of Marion County v. Public Service Commission and Lake Erie and Western Railroad. To set aside order denying grade separation in the City of Indianapolis; defendants' demurrer overruled; defendants appeal to Supreme Court; Appellant's brief filed August 1922.

State of Indiana v. Construction Materials Company of Gary. Lake Circuit Court; to enjoin defendants from taking sand and gravel out of bed of Lake Michigan; pending.

State of Indiana v. Great Lakes Sand Company. Lake Circuit Court; to enjoin defendants from taking sand and gravel out of Lake Michigan; pending.

Home Telephone and Telegraph Company v. Public Service Commission. United States District Court; to set aside order of the Commission to enjoin Commission from interfering with company's rates; tried before Master; January 3, 1922, finding for plaintiff; January 3d exceptions to Master's report; February 4th exceptions overruled; judgment for plaintiff.

Flora Water Company v. Public Service Commission. Carroll Circuit Court; to cancel order of Commission denying a rate increase; pending on motion by defendant to dismiss cause; brief filed, pending.

Cloe Davis v. Samuel E. Smith and John W. Hayes. Wayne Circuit Court; for damages against Samuel E. Smith as Superintendent of Eastern Hospital for Insane; defendants demurrer submitted; pending.

Walter Faut v. State Highway Commission. Hancock Circuit Court; suit against Highway Commission for damages in taking right-of-way; trial June 20-22; findings and conclusions of law in favor of defendant; pending.

City of New Albany v. Public Service Commission. Floyd Circuit Court; to set aside order of Commission; judgment for defendant; appeal by plaintiff to the Supreme Court; briefs filed; pending.

State ex rel. Frank J. Lahr v. William G. Oliver. Appeal to Supreme Court; mandate auditor to draw warrant to pay relator's salary; pending.

Indiana Light and Fuel Company v. Public Service Commission. United States District Court; for injunction to cancel rates; answer filed; pending.

City of Goshen v. Public Service Commission. Elkhart Circuit Court; for injunction and to set aside rates; The Hawkes Electric Company also defendant; answer filed; pending.

Chicago & Eastern Illinois Railway Company et al. v. Public Service Commission. Petition to reduce rates on freight; petition granted; rates reduced.

Thomas Williamson et al. v. Trustees of Indiana State Soldiers' Home. White Circuit Court; for injunction to prevent defendants from taking part of pension of inmates. Motion by defendant to dismiss for want of jurisdiction filed; motion sustained; cause dismissed.

James M. McKimm, et al. v. State Board of Tax Commissioners. Ohio Circuit Court; August 8th application for restraining order denied; August 14th, 1922, application for injunction denied.

City of Muncie v. Public Service Commission and Indiana Bell Telephone Company. Delaware Circuit Court; to cancel rates; venued to Superior Court of Madison County; pending.

Indiana Bell Telephone Company v. Public Service Commission. United States District Court; to set aside order denying increase in telephone rates at Indianapolis; application for injunction presented; answer of defendants filed; pending.

Henry Kanameyer v. Francis Beadle, et al. Tried; finding for plaintiff; judgment according.

City of Indianapolis v. Public Service Commission. Superior Court of Marion County; to cancel order of Commission excusing the street car company from paving between its tracks on certain streets; appearance for defendant entered.

William K. Fisher, et al. v. State Board of Tax Commissioners. Ohio Circuit Court; to enjoin tax board from reassessing certain property; injunction denied.

Simon DeBardas v. Ed Jackson, et al. United States District Court; to enjoin Indiana Securities Commission from requiring license; pending.

Board of Commissioners of Delaware County v. Public Service Commission and Big Four Railway Company. To cancel order of Commission requiring Delaware County to pay one-fourth cost of grade separation; cause pending.

City of Fort Wayne v. Public Service Commission and Home Telephone and Telegraph Company. Superior Court of Allen County; for injunction and to set aside rates; pending.

Princeton Water and Lighting Company v. Public Service Commission. Gibson Circuit Court; for injunction to set aside order of Commission for refusing to raise water rates; answer filed; set for trial December 18; pending.

Firemen Insurance Company, et al. v. Thomas S. McMurray, Jr., Commissioner of Insurance, etc. Marion Superior Court; injunction; petition granted pending examination of law by court with right to dissolve same reserved to court.

Jacob D. Hoss and Henry Pothast, surviving partners of the partnership Hoss & Pothast Construction Company v. Indiana State Highway Commission, et al. Marion Superior Court; injunction; temporary restraining order granted.

Mary Davis, Mother Anna Graves Robinson v. Melvin Druckmiller, acting superintendent Indiana School for Feeble-Minded. Allen Circuit Court; habeas corpus; judgment for defendant.

State of Indiana on the relation of U. S. Lesh, Attorney General v. Hudson Underwriters, Inc., etc. Marion Superior Court; petition for appointment of receiver; receiver appointed.

Harry O. Smith, Guardian, Lena Joyner, etc. v. State Highway Commission. Appellate Court; appeal from ruling of Industrial Board in favor of plaintiff; affirmed.

George M. Foland, etc. v. State, ex rel. Town of Schererville. Tax case; Supreme Court; appealed from Lake Superior Court; cause dismissed.

James E. Miles and Ling Thomas, doing business as partners under the firm name of Miles & Thomas v. State of Indiana. Marion Superior Court; damages; pending.

Mary Jane Auppy v. Board of Trustees of School for Feeble-Minded Youth. Allen Circuit Court; habeas corpus proceedings; case dismissed.

Metropolitan Life Insurance Company v. State of Indiana. Supreme Court; appealed from Marion Superior Court; right to recover interest on taxes paid under protest; pending.

Caleb Denny, Receiver for American Bonding Company v. Federal Paving Company. Marion Superior Court; garnishment; pending.

Abram Simmons v. John A. Byrd. Wells Circuit Court; registration law; demurrer of defendants sustained; appealed to Supreme Court; affirmed.

State ex rel. U. S. Lesh, Attorney General v. Bedford Stone Club Auxiliary, Inc. Anti trust suit; Marion Superior Court; venued to Hamilton Circuit Court; pending.

Ozro Kemmerly, as Clerk of Circuit Court of Hancock County, etc. v. State of Indiana on relation of Philander Collyear. 2 cases; apportionment law; Hancock Circuit Court; judgment for plaintiff; appealed to Supreme Court; reversed.

State of Indiana v. Joseph Jacob Shultes. Gibson Circuit Court; condemnation proceedings; pending.

State of Indiana v. Hulda Solmon Felker. Gibson Circuit Court; condemnation proceedings; pending.

State of Indiana v. Rosina Stunkel. Gibson Circuit Court; condemnation proceedings; pending.

State ex rel. Lewis E. Roberts v. Indiana State Board of Registration for Professional Engineers and Land Surveyors. Marion Circuit Court (3 cases); testing law; pending.

Robert E. Scott v. State Board of Agriculture, et al. Marion Superior Court; judgment for defendant; appealed to Supreme Court; reversed.

Thomas W. Capp v. Ralph Howard, Superintendent of Indiana State Farm. Putnam Circuit Court; habeas corpus proceedings; judgment for defendant.

State ex rel. U. S. Lesh v. Polar Ice and Fuel Company, et al. Marion Superior Court; anti-trust suit; judgment for defendants.

George E. Roop v. Board of Trustees of School City of South Bend. St. Joseph Circuit Court; teachers' retirement law; case dismissed.

State of Indiana ex rel. U. S. Lesh v. Indiana Manufacturers of Dairy Products, et al. Marion Superior Court; anti-trust suit; pending.

COLLECTIONS AND DISBURSEMENTS FOR FISCAL YEAR 1921-1922

COLLECTIONS

Unclaimed estates collected and paid to Treasurer of State.....	\$489 56
Unclaimed fees collected and paid to Treasurer of State.....	161 00
Court costs collected and paid to Treasurer of State.....	83 05

Total collections	\$733 61
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DISBURSEMENTS

	Disbursed	Returned
Attorney General, salary	\$7,500 00	
Assistant Attorney General, salary	3,396 67	\$203 33
First Deputy Attorney General, salary	2,383 35	216 65
Second Deputy Attorney General, salary	2,100 00	
Traveling Deputy Attorney General, salary	1,600 00	
Stenographer and clerk, salary	1,300 00	
Stenographer, salary	950 00	
Anti-Trust, Prohibition, etc., Fund.....	19,157 20	1,000 00
Traveling Expense Fund	633 05	
Office Expense Fund	484 16	
Law Book Fund	167 75	

Total disbursements	\$39,672 18	\$1,419 98
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REPORT OF THE DEPARTMENT OF INSURANCE

THOMAS S. McMURRAY, Jr., Commissioner

In the report of this department for the year 1921, reference was made to the inadequacy of the insurance laws of this state and a codification of same suggested. While there has been no change in the commissioner's view of this subject, he feels that a longer period of time should elapse prior to carrying out this recommendation, in order that ample opportunity might be had to give the matter proper investigation. There are one or two questions, however, which I believe should receive immediate attention. I refer to an Agent's Qualification Law. This should also include requirements for resident agents, solicitors and both resident and non-resident brokers. Attention should also be given to the question of non-admitted companies and their agents operating in the state. This could be remedied by a provision in the Insurance Laws prohibiting any company or agent doing an insurance business within the State of Indiana, except in compliance with the laws thereof regulating insurance, and thus eliminate the alleged authority of a company to transact business in the state because the statutes thereof are silent as to their particular organization.

COLLECTION OF FEES AND TAXES

During the fiscal year ending September 30, 1922, the Department of Insurance has collected taxes and fees amounting to \$1,257,946.99; the collections for the preceding fiscal year (ending September 30, 1921) were \$1,333,142.04, a decrease of \$75,195.05.

The following table shows the receipts of taxes and fees from various classes of companies:

FEES AND TAXES COLLECTED BY THE INSURANCE DEPARTMENT FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1922

INSURANCE TAX

(Certified to Treasurer of State)

Fire companies	\$249,049 56	
Life companies	656,739 40	
Miscellaneous companies	135,366 93	
		\$1,041,155 89
Fire Marshal tax (all fire companies)		62,778 88

INSURANCE FEES

Fire companies	\$70,193 00	
Life companies	20,871 00	
Assessment companies	1,988 00	
Miscellaneous companies	20,000 00	
Admission and annual fees (all companies)	25,585 67	
Miscellaneous fees (all companies)	625 35	
		\$139,263 02

EXAMINATION FEES

Examiners' per diem	\$10,087 90	
Examiners' expenses	4,661 30	
		<u>\$14,749 20</u>
Total		\$1,257,946 99

PERSONNEL

On September 30, 1922, the Department of Insurance consisted of the Commissioner and a Deputy Commissioner, Actuary, Securities Clerk, and thirteen employes, consisting of examiners, clerks and assistants, making a total personnel of seventeen.

The examining staff, six in number, was employed mainly in the work of examining companies at their offices, the duties of other employes being principally at the office of the Department in the State Capitol.

EXPENDITURES OF DEPARTMENT

The following table shows appropriations available for salaries and expense, reimbursements credited thereto, and the various kinds of expenses charged thereto, as well as the balance reverting to the general fund, for the fiscal year ending September 30, 1922:

October 1, 1921—Appropriation	\$54,400 00	
October 1, 1921—Night watchman, special appropriation	900 00	
September 30, 1922—Reimbursement salaries	14,749 20	
Total		<u>\$70,049 20</u>
Salaries	\$42,272 68	
Salary—Night watchman, special appropriation	900 00	
Telephone and telegraph	393 51	
Postage and express	1,072 92	
Other office expense	1,803 44	
Traveling expense	1,437 73	
Printing and stationery	3,259 57	
Special fees and expense	5,018 84	
		<u>\$56,158 69</u>
Balance reverting to General Fund	\$13,890 51	
Reimbursements—Expense and per diem—On examinations in process.....	\$6,658 00	

EXAMINATIONS

In the examination of all Indiana companies admitted to and transacting business in other states, it has been the practice of the Department to invite, through the Chairman of Examinations, National Convention of Insurance Commissioners, other states to participate in the examination of these companies. This same procedure having been followed by other State Insurance Departments, it has been the pleasure of this Department to co-operate whenever possible.

The following schedule represents the various companies examined during the fiscal year beginning October 1, 1921, and ending September 30, 1922:

EXAMINATIONS MADE OF INDIANA INSURANCE ORGANIZATIONS DURING
FISCAL YEAR ENDING SEPTEMBER 30, 1922*Life Companies (Stock and Mutual)*

American Central Life Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Peoples Life Insurance Company, Frankfort, Indiana; examined as of December 31, 1921.

Western Reserve Life Insurance Company, Muncie, Indiana; examined as of November 30, 1921.

Fraternal Societies

Ben Hur (Supreme Tribe), Crawfordsville, Indiana; examined as of September 30, 1921.

Police and Firemen's Insurance Association, Indianapolis, Indiana; examined as of December 31, 1921.

Fire Companies (Stock and Mutual)

Citizens Mutual Fire Insurance Company, Richmond, Indiana; examined as of November 22, 1921.

Fidelity Mutual Fire Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Grain Dealers' National Mutual Fire Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Indiana Lumbermen's Mutual Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Indiana Mutual Automobile Insurance Company, Laporte, Indiana; examined as of June 30, 1922.

Indiana Retail Merchants Association, Mutual Fire Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Indiana Union Mutual Fire Insurance Company, Crawfordsville, Indiana; examined as of June 30, 1922.

Merchants Fire Insurance Company, Indianapolis, Indiana; examined as of December 31, 1921.

Meridian Mutual Fire Insurance Company, Indianapolis, Indiana; examined as of November 3, 1921.

Mutual Fire Insurance Company of Indiana, Indianapolis, Indiana; examined as of June 30, 1922.

Reciprocal or Inter-Insurers

Auto Protective Association of Indiana, Indianapolis, Indiana; examined as of December 10, 1921.

Federal Automobile Insurance Association, Indianapolis, Indiana; examined as of March 31, 1922.

Growers' Automobile Insurance Association, Indianapolis, Indiana; examined as of October 31, 1921.

Motor Indemnity Company, South Bend, Indiana; examined as of October 31, 1921.

Standard Auto Insurance Association, Vincennes, Indiana; examined as of November 30, 1921.

Lloyds

International Lloyds, Indianapolis, Indiana; examined as of November 30, 1921.

Assessment Companies (Life, Accident and Health)

American Mutual Life Insurance Company, Seymour, Indiana; examined as of September 30, 1921.

Business Men's Indemnity Association, Indianapolis, Indiana; examined as of December 31, 1921.

Church Members Relief Association, Indianapolis, Indiana; examined as of July 31, 1922.

Gibraltar Health and Accident Insurance Company, Indianapolis, Indiana; examined as of October 31, 1921.

Home Accident and Health Insurance Company, South Bend, Indiana; examined as of July 31, 1921.

Indiana Travelers Accident Association, Indianapolis, Indiana; examined as of June 30, 1922.

International Business Men's Assurance Company, Indianapolis, Indiana; examined as of May 16, 1922.

Mid-Western Life Insurance Company, Gary, Indiana; examined as of November 29, 1921.

Neighbors Benefit Union, Indianapolis, Indiana; examined as of June 30, 1922.

Miscellaneous Companies

Continental Casualty Company, Hammond, Indiana; examined as of December 31, 1921.

Indiana Mutual Casualty Company, Indianapolis, Indiana; examined as of June 30, 1922.

Inter-Ocean Casualty Company,* Indianapolis, Indiana; examined as of December 31, 1921.

Mid-American Mutual Casualty Company, Indianapolis, Indiana; examined as of June 30, 1922.

State Factory Mutual Insurance Company, Indianapolis, Indiana; examined as of December 30, 1921.

EXAMINATIONS MADE OF INSURANCE ORGANIZATIONS OUTSIDE OF INDIANA DURING FISCAL YEAR ENDING SEPTEMBER 30, 1922

Fraternal Societies

Knights of Pythias (Supreme Lodge),† Washington, D. C.; examined as of September 30, 1921.

Life Companies (Stock)

Continental Assurance Company, Chicago, Illinois; examined as of December 31, 1921.

Federal Life Insurance Company, Chicago, Illinois; examined as of December 31, 1921.

Franklin Life Insurance Company, Springfield, Illinois; examined as of December 31, 1921.

* Executive office, Cincinnati, Ohio.

† Executive office, Indianapolis, Indianapolis, Indiana.

RECAPITULATION FOR THE YEAR 1921

Indiana Companies

	Income	Disbursements	Admitted Assets	Liabilities	Capital	Surplus	Insurance In Force
Life (Stock).....	\$15,854,732 61	\$10,554,761 36	\$38,331,767 94	\$34,664,547 74	\$2,196,040 00	\$1,471,180 20	\$470,175,060 44
Life (Mutual).....	8,245,456 44	5,174,227 25	31,267,154 19	28,935,560 84		2,353,603 35	197,508,702 88
Fraternals.....	2,038,863 47	1,389,710 00	3,408,370 29	128,117 50			73,556,380 00
Assessments.....	1,269,870 64	1,266,552 99	293,355 08	115,322 93			31,666,042 90
Fire (Stock).....	1,517,696 47	1,668,385 54	3,282,671 12	1,358,680 05	1,191,073 00	702,918 07	
Fire (Mutual).....	2,143,178 68	2,129,550 95	3,928,466 88	1,466,313 26		2,462,153 62	
Miscellaneous (Stock).....	12,429,262 10	11,217,087 71	10,586,380 13	7,708,209 92	1,500,000 00	1,378,170 21	
Miscellaneous (Mutual).....	605,485 54	346,032 88	571,042 06	329,097 47		241,944 59	
Reciprocals.....	1,193,752 21	899,494 12	817,466 73	544,122 06		273,344 67	
Totals.....	\$45,298,298 16	\$34,585,802 80	\$92,486,674 42	\$75,277,961 77	\$4,887,113 00	\$8,863,314 71	\$772,706,186 22

Companies of Other States Authorized to Operate in Indiana

Life (Stock).....	\$680,389,157 73	\$442,380,463 66	\$2,652,326,771 99	\$2,490,292,723 70	\$40,118,984 28	\$121,985,084 01	\$16,780,758,766 41
Life (Mutual).....	1,094,906,554 19	754,651,400 18	4,808,175,924 52	4,622,735,368 05		180,440,556 47	23,898,712,804 06
Fraternals.....	139,573,130 40	102,589,261 55	310,384,772 94	87,002,402 65			6,780,862,915 45
Assessments.....	12,226,721 98	9,632,420 00	12,726,312 89	4,031,722 26	146,227,380 00	253,365,950 35	436,084,177 91
Fire (Stock).....	591,245,238 54	588,008,152 92	991,773,969 88	592,180,639 46			
Fire (Mutual).....	29,550,137 44	28,404,601 78	40,355,320 65	22,336,248 75	625,000 00	17,384,071 90	
Fire, (Foreign).....	146,106,664 04	155,056,620 73	217,392,681 45	141,437,437 68	9,030,000 00	66,925,243 77	
Miscellaneous (Stock).....	365,966,465 16	326,450,776 38	1,585,596,988 34	1,383,035,609 56	75,503,739 59	127,057,639 19	54,680,128 03
Miscellaneous (Mutual).....	24,769,881 36	23,525,618 01	1,146,867,656 14	1,092,187,528 11		11,147,253 66	
Miscellaneous (Foreign).....	77,517,102 55	72,696,597 79	95,297,322 12	80,445,669 46	3,704,600 00	9,606,298 90	
Reciprocals.....	15,659,901 32	14,340,139 75	15,600,388 12	5,994,089 22			
Totals.....	\$3,177,910,984 71	\$2,517,756,032 75	\$11,871,698,309 04	\$10,521,609,438 90	\$275,209,703 87	\$842,602,206 28	\$47,806,418,264 73

RECAPITULATION FOR THE YEAR 1921—Continued
Indiana Companies

	BUSINESS IN INDIANA		
	Insurance In Force	Premiums Received	Losses Paid
Life (Stock).....	\$187,796,693 97	\$5,679,322 10	\$1,080,378 88
Life (Mutual).....	46,538,350 13	1,139,618 14	258,366 44
Fraternal.....	14,572,315 00	388,523 98	249,067 20
Assessment.....	31,666,042 90	1,182,832 15	509,721 49
Fire (Stock).....	.....	Fire 128,890 39	97,322 01
Fire (Stock).....	.....	Other 5,223 71	1,451 81
Fire (Mutual).....	.....	Fire 329,614 70	206,209 17
Fire (Mutual).....	.....	Other 64,698 63	35,082 52
Miscellaneous (Stock).....	.....	Other 467,969 08	191,261 08
Miscellaneous (Mutual).....	.....	377,731 10	88,700 44
Reciprocal.....	.....	890,536 97	540,820 64
Totals.....	\$280,573,402 00	\$10,654,960 97	\$3,259,981 68

	Companies of Other States Authorized to Operate in Indiana		
	Insurance In Force	Premiums Received	Losses Paid
Life (Stock).....	\$461,247,115 92	\$14,714,802 90	\$3,257,291 95
Life (Mutual).....	457,495,368 55	14,645,586 98	4,587,471 72
Fraternal.....	246,777,732 02	3,577,321 52	1,945,250 15
Assessment.....	29,029,114 80	684,615 14	289,078 58
Fire (Stock).....	.....	Fire 9,759,778 77	5,539,527 99
Fire (Stock).....	.....	Other 2,365,272 84	959,759 83
Fire (Mutual).....	.....	Fire 865,846 81	493,472 61
Fire (Mutual).....	.....	Other 125,578 53	66,084 66
Fire (Foreign).....	.....	Fire 1,895,215 43	1,240,477 84
Fire (Foreign).....	.....	Other 258,829 59	100,054 40
Miscellaneous (Stock).....	.....	7,043,862 94	2,595,380 74
Miscellaneous (Mutual).....	.....	556,245 61	221,720 07
Miscellaneous (Foreign).....	.....	1,706,960 02	778,971 88
Reciprocal.....	.....	476,921 39	232,285 05
Totals.....	\$1,104,549,331 29	\$38,676,338 47	\$22,306,827 17

SECURITIES DEPARTMENT

The following statement shows the amount of securities deposited with the Securities Department on September 30, 1922. It will be noted that most of the securities deposited were owned by the seventeen Indiana legal reserve life insurance companies, which all do business under the Compulsory Deposit Law, and must maintain on deposit with this Department, in approved securities, the net cash value of all outstanding policies.

American Central Life Insurance Company	\$8,194,161 36
Central States Life Insurance Company	335,986 25
Century Life Insurance Company	222,950 00
Chicago National Life Insurance Company	154,002 51
Conservative Life Insurance Company	560,236 13
Crescent Life Insurance Company	207,139 00
Farmers National Life Insurance Company	1,207,638 41
Indiana National Life Insurance Company	2,187,680 23
Indianapolis Life Insurance Company	2,626,676 34
Lafayette Life Insurance Company	2,390,959 73
Lincoln National Life Insurance Company	13,028,188 59
Northern States Life Insurance Company	1,092,216 41
Peoples Life Insurance Company	2,160,099 00
Public Savings Insurance Company	1,828,540 00
Reserve Loan Life Insurance Company	5,277,625 03
State Life Insurance Company	24,648,146 10
Western Reserve Life Insurance Company	468,201 79

Fraternal Societies

Supreme Tribe of Ben Hur	\$125,000 00
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Assessment Companies (Life, Accident and Health)

Associated Life Assurance Company	\$6,200 00
Business Men's Indemnity Association	2,000 00
Federal Savings and Insurance Company	5,000 00
Gibraltar Health and Accident Insurance Company	2,000 00
Home Accident and Health Insurance Company	2,000 00
Indiana Burial Association	300 00
Indiana Travelers Accident Association	5,000 00
International Business Men's Association	2,000 00
Jeffersonville Mutual Protective Association	2,038 00
Miners Mutual Insurance Company	2,000 00
Rex Health and Accident Insurance Company	2,000 00
Superior Life and Accident Insurance Company	3,000 00

Miscellaneous Companies

Bankers Mutual Automobile Insurance Company	\$5,000 00
Church Members Relief Association	5,000 00
Columbia Mutual Indemnity Company	5,000 00
Continental Casualty Company	250,000 00
Empire Life and Accident Insurance Company	37,231 42
Home Mutual Live Stock Insurance Company	500 00
Hoosier Casualty Company	116,288 00
Hoosier Mutual Automobile Insurance Company	10,000 00
Indiana Mutual Casualty Company	56,058 97
Inter-Ocean Casualty Company	150,000 00
Medical Protective Company	100,000 00
Mid-American Mutual Protective Association	101,000 00
Mutual Eye Indemnity Company	25,000 00

Standard Live Stock Company	25,000 00
State Factory Mutual Insurance Company	25,000 00
World Mutual Automobile Insurance Company	15,000 00

Fire Companies (Stock and Mutual)

American Mutual Insurance Company	\$10,000 00
Citizens Mutual Fire Insurance	11,735 00
Columbian Insurance Company of Indiana	244,372 50
Grain Dealers National Mutual Fire Insurance Company	200,000 00
Indiana Mutual Automobile Insurance Company	10,000 00
Merchants Fire Insurance Company	25,025 00
Meridian Mutual Fire Insurance Company	10,000 00
Sterling Fire Insurance Company	451,230 00

Reciprocal or Inter-Insurers

Federal Automobile Insurance Association	\$26,000 00
Growers Automobile Insurance Association	27,000 00
Motor Indemnity Company	25,000 00
National Automobile Insurance Association	25,000 00
Security Automobile Insurance Association	25,000 00
Standard Auto Insurance Association	25,000 00

Foreign Companies

American Automobile Underwriters	\$25,000 00
American Liability Company of Ohio	100,000 00
Illinois Mutual Casualty Company	2,000 00
Ohio Casualty Insurance Company	50,000 00
Security Life Insurance Company of America	11,000 00
Virginia Fire and Marine Insurance Company	25,000 00

RECAPITULATION OF SECURITIES

Bonds	\$5,888,548 23
Real estate	4,089,733 11
Mortgage loans	43,163,116 60
Policy loans	13,106,721 09
Certificates of deposit	1,748,034 44
Certificates of indebtedness	1,000,000 00
War savings stamps	4,572 20
Bond certificates	2,700 00

Total \$69,003,425 67

RATE SUPERVISION—FIRE COMPANIES

The Commissioner of Insurance supervises the operation of rating bureaus organized under the Act of March 13, 1919.

At the close of the fiscal year, the following rate-making bureaus were authorized to operate in Indiana:

- Indiana Inspection Bureau.
- Indiana Mill and Elevator Rating Bureau.
- Lumber Insurance Bureau.
- Inter-Insurers Rating Bureau.
- *Northwestern Automobile Filing Bureau of Indiana.
- *Hoosier Casualty Company Rating Bureau.
- *Indiana Union Rating Bureau.
- *Mutual Inspection Bureau.
- *Citizens' Mutual Rating Bureau.

*Rating bureaus maintained by individual companies.

*United Automobile Rating Bureau.

*National Automobile Insurance Association Rating Bureau.

†Ohio Farmers Rate Making Bureau.

During the year several complaints against rules and rates were filed with the Department, upon which hearings were held and satisfactory adjustments had.

SUMMARY—1921 BUSINESS

Business Written	Premiums	Losses	Expenses
\$1,862,523,307	\$14,137,343	\$7,702,494	\$6,234,504
Average rate per \$100			\$0.759
Ratio losses to premiums			54.4%
Ratio expenses to premiums			44.1%

• COMPANIES LICENSED IN INDIANA

Licensed on October 1, 1921	568
Organized in Indiana during year	9
Companies other than of Indiana, licensed	31
	<hr/>
	608
Companies withdrawing from state, etc.	27

Licensed on September 30, 1922 581

The following tabulation shows the number of companies of different classes operating in Indiana on September 30, 1922.

COMPANIES ORGANIZED UNDER LAWS OF INDIANA

Life companies (stock and mutual)	17
Fraternal societies	5
Assessment companies (life, health and accident)	18
Miscellaneous companies	14
Fire companies, (stock and mutual)	21
Reciprocal and inter-insurers	7
	<hr/>
Total	82

COMPANIES OF OTHER STATES

Life companies (stock)	58
Life companies (mutual)	22
Fraternal societies	62
Assessment companies	16
Miscellaneous companies (stock, mutual and foreign)	93
Fire companies (stock)	149
Fire companies (mutual)	36
Fire companies (foreign)	41
Reciprocals and inter-insurers	22
	<hr/>
Total	499
Total all organizations	581

†Farm property only.

REPORT OF THE STATE BOARD OF TAX COMMISSIONERS

MEMBERS OF THE BOARD

JOHN J. BROWN, Chairman.

WILLIAM A. HOUGH, Commissioner.

PHILIP ZOERCHER, Commissioner.

WILLIAM C. HARRISON, Secretary.

Ever since the act of 1891 (see Clause 11, Section 120, Acts 1891, page 251) it has been the duty of the State Board of Tax Commissioners

“To make diligent investigation and inquiry concerning the revenue laws and systems of other states and countries, so far as the same are made known by published reports, or statistics, or can be ascertained by correspondence with officers thereof, and with the aid of information thus obtained, together with experience and observation of our own laws, to recommend to the General Assembly at each session thereof, such amendments, changes or modifications of our revenue laws as seem proper or necessary to remedy injustice or irregularity in taxation, or to facilitate the assessment and collection of public revenues.” (Acts 1919, page 306.)

Complying with this mandate of the statute, we have made investigation and studied the condition concerning taxation in other states and in the State of Indiana, and in presenting this report deem it our duty to give some of the history connected with tax legislation in the State of Indiana.

Under the provisions of our constitution we must depend upon the general property tax to supply the greater amount of revenue for public purposes.

In 1891 there was enacted a new law and Judge Timothy E. Howard, the author of that law, in an address delivered before the county assessors in 1910, in describing conditions in 1891 said:

“At the time of the enactment of the law of 1891, our financial system had almost reached the point of breaking down under the weight of its own cumbersomeness, disorganization and general inefficiency. The counties were at war with one another, each seeking, by under-valuation of its property, to escape from its own just share of the public burdens.” (Proceedings 1910, page 33.)

Judge Howard gave a further account of how the new law was received in these words:

“No sooner had the measure received the signature of the Governor than it began to be assailed on all sides, by press and

people. * * * One-half the press, and many leaders of public opinion, attacked the law indiscriminately, not condescending to give any reasons, but making outrageous and inconsistent accusations against it, as that it was in opposition to the general welfare of the people and enacted in the interests of corporations. The remainder of those concerned, both press and people, either remained silent or gave but a half-hearted defense of the new legislation." (Proceedings 1910, page 36.)

That law was attacked in the courts even to carrying the controversy to the Supreme Court of the United States, and the points in controversy were decided in favor of the law.

The State Board of Tax Commissioners in its report of 1912 said:

"When the present law was enacted in 1891, its author * * * intended that property should be assessed at its actual cash value, but adequate administrative machinery had not then been provided and the only chance to enforce the law, as written, was lost with the first assessment." (Biennial Report 1912, page 12.)

* * * * *

"The general property tax without full valuation is like a ship without a rudder. When it is left to the discretion of each individual assessing officer, as to what percentage of its full value he will assess various items of property, there will be as many kinds of assessments as there are assessing officers." (Biennial Report 1912, page 12.)

The law of 1891 did not provide the State Board of Tax Commissioners with proper power to secure a full valuation of property. The state board in its report in 1912, referring to the failure to secure proper assessments, said:

"Adequate administrative machinery had not then been provided and the only chance to enforce the law, as written, was lost with the first assessment." (Biennial Report 1912, page 12.)

The law was not enforced and conditions were rapidly drifting to the same level they were in prior to 1891.

Honorable Thomas R. Marshall while Governor of the state, in an address to the annual conference of county assessors in 1910, said:

"You and I know that there are counties in the State of Indiana, adjacent to each other, of like soil, of like improvements, alike in every particular, where one county is paying less than the other county is paying upon the real estate. You know that." (Proceedings 1910, page 25.)

And in the same address he said:

"It is not worth while for you, or for me, to deny the fact that the law of Indiana is not obeyed. The law of Indiana is not obeyed. Real estate is not taxed at its true cash value and personal property is not given in at its true cash value." (Proceedings 1910, page 26.)

Honorable John W. Kern, in addressing the annual conference in 1911, said:

"It is a matter known of all men and discussed in every part of Indiana, that a large part of the property of this state is, today, escaping taxation. It is on account of the inequalities of taxation that people complain, and this problem how to regulate that inequality, this problem as to how to make the wealth of the country and of the state bear its due share of the public burdens, is one of the greatest and most interesting problems now before the public." (Proceedings 1911, page 50.)

Honorable Dan M. Link, while serving as a tax commissioner, addressing the annual conference in 1912 said:

"There never has been a time in the State of Indiana that any property has been assessed at its true cash value although the mandate of the law is that that shall be done." (Proceedings 1912, page 79.)

And again in 1913 before the annual conference Mr. Link said:

"The statute directs that all property shall be assessed at its true cash value. It says it in many ways and in many places. Yet it is not done and has not been done." (Proceedings 1913, page 20.)

It was admitted by those in authority in 1915 that the law was not enforced. Governor Ralston in his message to the legislature in 1915 said:

"It is argued that we do not now have uniformity and equality in the laying and collecting of taxes and I concede that we do not; but the fault is with the public officials sworn to obey and enforce the law and not with the people's supreme law." (House Journal 1915, page 50.)

Governor Ralston in the same message said:

"It is a notorious fact that county assessors have been known to consent to the listing of property for taxation at a gross undervaluation, particularly when compared with the assessments of similar classes of property in adjoining counties. Such further amendments should be made in the tax laws as will secure a more nearly equal assessment of property in the first instance by the local authorities. This, in my judgment, can best be done by providing for the removal of the county assessor by the state board for cause, after due hearing, and for the appointment of his successor by that board." (House Journal 1915, page 35.)

Governor Ralston also said:

"It is the duty of the county board of review, among other things, to equalize the valuation of property as between the various townships of their county. This duty has often been neglected. The law should give the state tax board the power to equalize these valuations between townships in all cases where the county board of review fails to do so." (House Journal 1915, page 35.)

Here we have the statement from high authority that in 1915 we did not have uniformity and equality in the laying and collecting of taxes and the further statement that county assessors were known to consent to the listing of property for taxation at a gross undervaluation and suggested as a remedy the right to remove the county assessor, but nothing was said or suggested as to removing the township assessors who made the assessment in the first instance. It was also stated that boards of review failed in doing their duty and it was suggested that the state board be given authority to act in all such cases.

From these sentiments expressed by the then Governor of the state one must certainly conclude that the law then in effect was not sufficient but was in need of changes and amendments. The legislature of 1915 did not amend or change the tax law but a bill was passed and approved by Governor Ralston, March 8, 1915, which provided for the appointment of a commission on taxation whose duty it was to

“Investigate the problem of taxation in Indiana, and shall consider what changes in the constitution and laws relating to taxation are needed to make a just and equitable system of taxation and shall make such investigations as may be practicable through printed reports and the testimony of experts as to taxation reform in other states. The commission shall hold such hearings as it may deem advisable and invite the testimony of interested parties and experts, and shall make a report to the Governor for transmission to the legislature not later than January 1, 1917, together with the drafts of any bills which the commission may desire to submit to carry out its recommendations.” (Acts 1915, page 477.)

Here we have a further statement that the taxing system in Indiana had reached such a condition that something was necessary and the special commission appointed Prof. Robert A. Campbell of Cornell University, a thoroughly trained man in practical tax investigation, to make an investigation in thirty-six counties of the state. The special commission, which was composed of William L. Elder, Thomas D. Brookshire, Jacob P. Dunn, William A. Rawles, and Fred A. Sims, made a report to the legislature which consisted of over four hundred printed pages, and the majority report signed by the three Democratic members contains the following statements:

“Any school boy can understand that under a general tax system such as exists in this state, all inequality of taxation is inequality of assessment. * * * Our investigations show that there are three counties in the state in which the average assessment is 25 per cent of true value or less; and there are three counties in which the average assessment is as high as 75 per cent of true value. In other words, the latter three counties are paying three times as much state tax, in proportion, as the former three counties. The assessments in other counties range between these extremes. * * *

“But the most glaring inequality is between individuals. As shown by the investigations the average of the class of lowest

assessment is 14.7 per cent of true value, and the average of the class of highest assessments is 146 per cent of true value. In other words, one class of taxpayers is paying ten times as much taxes, in proportion, as the other class. It is also shown that as a rule the high assessments are on the smaller properties, the classification by values showing a steady decrease in ratio of assessment as the properties increase in value. * * *

"The tax system of Indiana is therefore a legalized—or rather tolerated—system of robbing the small property owner for the benefit of a comparatively small body of large property owners." (Report Commission on Taxation, 1916, pages VI and VII.)

The report of that special commission contained the result of the survey made in thirty-six counties and showed the great variation in the assessments between counties and within counties and thus sustained Governor Ralston's statement that boards of review did not do their duty in equalizing within their counties.

In August, 1916, the Western Union Telegraph Company filed suit against the Auditor of State and the State Board of Tax Commissioners and was granted a temporary restraining order against certifying the valuations made against that company in the several counties in the state, and in the complaint of the company it was alleged

"that it has been the uniform practise of taxing officers throughout the state for many years past, and during the current year, and ever since said tax law of 1893 has been in force, intentionally and systematically to disregard the constitution and laws of Indiana so far as the same require property within the state to be assessed for taxation upon the basis of uniform and equal rate, and 'at its true cash value' and the defendant board in undertaking its duty of equalizing the assessment of property for taxation as between the several taxing districts of the state, has failed, and now fails intentionally and systematically, and in disregard of the requirements of law, to equalize the same so that property taxable in Indiana, other than that owned by plaintiff, is grossly undervalued, that is to say, that it is taxed at a rate varying from 50 to 75 per cent of its true cash value, and in no case so far as plaintiff is informed and believes in excess of eighty per cent thereof," etc., etc.

All of these allegations were fully sustained by information contained in the report of the special commission appointed by Governor Ralston.

In the month of August, 1917, another suit was filed by the same company affecting its assessment in the several counties within the state, and similar suits were filed by the Indianapolis Water Company, Indianapolis Light and Heat Company, Merchants Heat and Light Company, Citizens Gas Company, and the Indianapolis Gas Company, all setting out in their complaints that their property was assessed on a higher basis than other property in the state. These suits were all based on the law as finally determined by the Supreme Court of the United States in the case of the Louisville and Nashville Railroad Com-

pany v. Greene, Auditor of the State of Kentucky, wherein the court held that a systematic overvaluation of some property compared with other property would be cause for relief to be granted by courts of equity of the over-assessed property.

Governor Ralston in his last message as Governor said:

"If all property were assessed on the same basis, as the law contemplates it should be, the tax rate would be fixed so low that the taxpayer would not fail to list his property for taxation regardless of its character.

"The state tax board has asked for and should be given an additional power for a more equitable enforcement of this law." (House Journal 1917, page 19.)

The recommendation made by the state tax board in 1916 referred to by Governor Ralston was as follows:

"A non-partisan tax board, with powers of re-assessment; equalization by classes; the assessment of domestic utilities, * * * township assessors subordinate to the county assessors and both appointive and under the jurisdiction of the state tax board." (Biennial Report 1916, pages 7 and 8.)

As the legislature of 1917 passed a law which provided for the calling of a constitutional convention, that session was not the proper one for tax legislation, but when that question was disposed of by the Supreme Court it left the old constitution with its provision as the basis for action at the next session. With the conditions of the taxing system as set out above and the same having become more acute by the law suits filed, the state board in 1918 having before it the several recommendations made by Governors Marshall and Ralston and of the tax commissions and the special commission, and after having met with committees and delegations of various classes of taxpayers, presented its report in the form of a bill codifying the tax laws of Indiana.

Governor Goodrich in his message to the legislature in 1919 said:

"Our tax laws have not been revised for more than a quarter of a century. Under our present system of taxation and administration, the grossest inequalities exist. In many cases their burdens fall heaviest on those least able to bear them. Real estate now pays sixty-five per cent of our taxes. It is, under our present laws, to be reassessed this year. If no change is made, it is safe to say that, under the next assessment, it will pay at least 75 per cent. * * *

"Our tax laws should be amended so as to require the State Board of Tax Commissioners to devote their entire time with original and exclusive assessment jurisdiction over all public service corporations and a greater degree of supervision over local taxing authorities." (House Journal 1919, page 12.)

The legislature of 1919 passed a law that embodied most of the recommendations submitted by the State Board of Tax Commissioners and the law as finally passed contained about nine-tenths old law and

one-tenth new, and there was nothing in the new that had not been recommended by Governors or tax commissions prior to 1918.

Of the outstanding new features of the law was the power given the board to review and reassess any property in the state, and the control by the board of tax levies and bond issues.

The change in the law giving the state board the right to certify for review and reassessment any assessment in the state has been limited by the decision of the Supreme Court to the third session ending the third Monday of August. This ought to be broadened. The state board ought to have the authority at any time on notice to the taxpayer to make a correction of an improper or erroneous assessment.

Judge Timothy E. Howard in 1913, in discussing this feature before the annual conference, said:

"The most necessary improvement in the law would be to enlarge the powers of the county board of review, and, still more, the powers of the State Board of Tax Commissioners, both as to original taxation and as to review. The power already given to the county assessor, the county auditor and the county treasurer to assess omitted property should be given to the county board and to the state board, and not only in relation to omitted property, but as to all property insufficiently valued for taxation. When either of these boards shall discover credible information or have reason to believe, that any property has, from any cause, been omitted, in whole or in part, from assessment and taxation, or that such property has been given an insufficient valuation, such board should be given the power, on its own motion, and on giving notice to the parties concerned, to assess such property as other property in the state is valued and assessed. The power of these boards to correct assessments should not be confined in cases of appeal or review, but should extend fully and completely to original assessments in any case where it is the judgment of the board that such assessment or reassessment should be made. It is only by giving to these boards on their own motion, full power, on proper notice, to make or correct assessments on any property that the uniform and equal rate provided for by the constitution can be secured and enforced throughout the state and upon all property." (Proceedings 1913, pages 17 and 18.)

Judge Howard, the author of the law of 1891, was a recognized authority on taxation and his statement made twenty-two years later was entitled to consideration and the state board in 1912 in its report said:

"Nothing approaching uniformity of assessment can be attained under any system of taxation depending upon the discretion, integrity or efficiency of local assessing officials, unless there is some state official or board with broad enough supervisory powers to compel uniform assessments in the first instance or to review and correct them after they have been made." (Biennial Report 1912, page 10.)

The state board in 1916 recommended:

"A non-partisan tax board with powers of reassessment."
(Biennial Report 1916, page 7.)

The Ralston Special Commission in 1916 recommended:

"A central governing tax board, with adequate powers. This has been the most important factor in tax reform. The essentials of such a board are (a) that it be as independent as possible, and therefore should have no ex-officio members; (b) that it be empowered to order a horizontal increase or decrease of the assessment of any municipality of the state, or in case it deems proper, to have made a reassessment of any municipality under its own direction, at the expense of the municipality; (c) to appoint the county assessors, now elective, and control them as other employes, in order that the interests of the whole state may be protected in every locality; (d) *to bring before itself for review any individual local assessment,*" etc. (Report Commission on Taxation 1916, page 8.)

The experience of the board during the past few years convinces us that this is one of the most important functions of a proper tax law and Judge Howard did not state it too strongly when he said:

"It is only by giving to these boards on their own motion, full power, on proper notice, to make or correct assessments on any property that the uniform and equal rate provided for by the constitution can be secured and enforced throughout the state and upon all property." (Proceedings 1913, page 17.)

The control over the tax levies was one way of limiting the tax rate. As all townships in the state do not contain the same wealth, but some show as much as eighteen times the wealth that others show, a tax rate suitable for one would be greatly insufficient for the other and control over the levies was given the board.

The control over bond issues was first advocated by Governor Marshall, who said in his message in 1913:

"I recommend that no bonds shall be issued until application made to the State Board of Tax Commissioners asking for leave to issue bonds and showing the purpose of the issue, is granted; and that the board grant no leave until it has fixed the minimum price at which the bonds may be sold, and exacted a proper bond to guarantee the use of the proceeds for the purposes named when the bonds are authorized." (Senate Journal 1913, page 18.)

This power over bond issues and tax levies was new and those interested in spending large amounts of public funds objected and raised the cry in favor of home rule. The state board in 1919 held all hearings at Indianapolis. This compelled taxpayers from distant parts of the state to go to Indianapolis and very often the taxpayer did not attend, but interested contractors and their attorneys were often the only ones present.

The State Board of Tax Commissioners early in 1920 corrected this by adopting rules which provided that all hearings be held locally, but before these rules could be properly enforced the special session of the legislature, which convened July, 1920, repealed Section 198 of the law of 1919 and the state board's power over bond issues and tax levies was taken away and there was enacted the Johnson home rule bill.

The total net valuation of property in 1918 was \$2,233,761,065, upon which there was levied in taxes payable in 1919 for local and state purposes \$68,367,035.

The total net valuation of taxable property in 1919, the first year under the new law, was \$5,749,258,800, upon which levies fixed in 1919 and under control of the state board, there was levied in 1920 for state and local purposes the sum of \$75,602,477. This sum included a new state tax for state highway purposes in the sum of \$2,242,228 and an increase for local school purposes of \$4,074,264. If the state board had not reduced local tax levies there would have been a further increase of \$11,617,037 and the total taxes for all purposes would have been \$87,219,514 instead of \$75,602,477.

The reduced tax rates of 1919 aided the assessing officers in their work in 1920. The net valuation of all taxable property for that year was \$5,838,717,404. The local tax levies in the fall of 1920 were all fixed under the Johnson home rule law by local officers and as a result of such local control the taxes levied were increased from \$75,062,477 to \$111,455,303.

Governor Goodrich in his last message to the legislature said:

"I am fully convinced that some limitation must be placed upon this power, that it is advisable to restore a fixed statutory limitation upon the right to make tax levies and the right to issue bonds, or to vest in somebody far removed from local influences the final appellate control over important functions.

"A glance at the tax levies and the great burdens cast upon the taxpayers of Indiana during this coming year is an impressive illustration of the abuse of this unrestricted power. This added burden will be small beside the burden that will fall upon the taxpayers in 1922 unless some protection is afforded them. I recommend, therefore, that while the power of the local boards to originate tax rates and authorize bond issues remain with such boards, that the right to review such actions on appeal be vested in the State Board of Tax Commissioners in such manner as to afford adequate protection to the taxpayers." (House Journal 1921, page 25.)

Governor McCray in his message to the legislature in 1921 said:

"Inasmuch as the valuation for assessment purposes has more than doubled, while the limitations placed upon bond issues remain unchanged, I believe there should be some curb upon the prodigal and wasteful expenditure of the people's money. I suggest, therefore, that the fixing of the tax rates should remain with the local taxing officers, but some provisions should be made

for an appeal to the state tax board for final determination in case there is a protest filed against such rates in the form of a remonstrance or petition signed by not less than fifty taxpayers from the taxing unit wherein the contest arises and representing on the tax duplicates not less than one hundred thousand dollars of taxable property.

"This remonstrance or petition should be presented within a specified number of days after the tentative fixing of the rates by the local taxing officers, and should be heard by the tax board in the taxing unit from which the appeal was taken, within a specified time, upon public notice to the taxpayers of the unit whose rate is in dispute.

"I furthermore recommend that appeals be provided for in like manner, respecting the matter of bond issues by any taxing unit; and in all such cases of appeal, regarding either the matter of tax levies or bond issues, full and final authority should be vested in the tax board to confirm, reduce, increase or reject such levies and issues as it may deem wise, just and expedient.

"I do not believe in the centralizing of power as to the fixing of rates, or as to authority for local indebtedness; but in order to regulate extravagance and ill-considered projects, an appellate jurisdiction should be vested somewhere, and the state tax board is the best qualified tribunal for the decision of such appeals." (House Journal 1921, pages 152, 153.)

Following these recommendations, the legislature of 1921 repealed the Johnson home rule law and enacted the present law which gives the local officers authority over bond issues and tax levies and only on petition of ten or more taxpayers asking the state tax board for a review, can the tax board acquire any jurisdiction, in other words, the taxpayers have home rule now; it is only when the taxpayers themselves can not agree among themselves and as many as ten taxpayers, other than those that pay poll tax only, file a petition with the county auditor, that the matter is taken over by the State Board of Tax Commissioners and under no circumstance can the state board increase any bond issues or tax levies—its authority is purely one of approving or reducing bonds or tax levies and then only under circumstances as above set out.

Under the act of 1919 the state board had control of all bond issues and the following was the record made:

Bonds approved and disapproved, March 11, 1919, to December 31, 1920:

	Approved	Disapproved
County Unit Roads	\$5,186,750	\$2,235,664
County Buildings and Bridges	5,292,993	807,600
Township Roads	21,249,993	2,598,562
Township Schools	5,272,776	1,863,553
School Cities and Towns	8,826,715	948,138
Civil Cities and Towns	12,741,044	739,500
	<hr/> \$58,569,335	<hr/> \$9,193,017

Under the act as amended in 1921, under the provisions of which the state tax board only acquires jurisdiction on petition of interested taxpayers, the following record has been made:

Bonds approved and disapproved, March 10, 1921, to and including December 5, 1922:

	Approved	Disapproved
County Unit Roads	\$3,595,971	\$3,360,199
County Buildings and Bridges	214,320	
Township Roads	3,735,747	3,599,805
Township Schools	4,574,538	1,219,793
School Cities and Towns	4,238,437	1,001,910
Civil Cities and Towns	1,600,000	127,500
	<hr/> \$17,959,013	<hr/> \$9,319,207

In the year 1921 the state board on petition of local taxpayers reviewed the tax levies in forty-six taxing units and reduced levies in forty-two taxing units and approved the levies in four taxing units.

During the present year, 1922, the state board on petition of local taxpayers reviewed the tax levies in seventy-three taxing units and reduced the levies in forty-eight taxing units and approved the levies in twenty-five taxing units.

The reduction in tax levies and disapproval of bond issues does not show all the saving made to the taxpayers on account of the law. The fact that taxpayers can appeal to an impartial board causes tax levying officers to be more careful in fixing the levies in the first instance.

The state board in holding up the approval of bonds subject to the receiving of proper bids has been the means of saving a great amount of money to the taxpayers. In the refusal to approve the bonds for the Lima road in Allen County in the first instance on account of the excessive price, on the reletting of the contract the sum of two hundred one thousand dollars was saved to that county. In Lawrence Township, Marion County, in the building of a new schoolhouse, on account of the action of this board there was a saving to the taxpayers of \$50,000. Instances where money was saved to the taxpayers may be pointed out in all parts of the state.

Indiana was the leader in providing for a tax commission.

Prof. Harvey L. Lutz in his work, "The State Tax Commission," says:

"The first of the modern permanent state tax commissions was established by Indiana in 1891. Today, state tax departments, headed either by a single official or by a board of tax commissioners, are found in thirty-five states." (Page 3.)

That was written in 1914 and since that time more states have followed the lead of Indiana. The feature of Indiana's present law as it relates to the right of taxpayers to appeal to the State Board of Tax Commissioners on bond issues and tax levies and in that way controlling expenditures, is now attracting the favorable attention of taxing officials in other states and provinces of Canada. The report of Indiana's commissioners at the recent National Tax Conference at Minneapolis was considered by some taxing officials as the outstanding feature of that conference.

Taxation is necessary to maintain government and should command the attention of every citizen. The question is big enough that men of all political parties ought to be willing to consider it on the broad plane of serving the public instead of by misrepresentation—trying to gain political advantage. Both parties have been guilty of this in Indiana and we believe the time has come when the truth should prevail.

The tax law itself has little to do with determining the amount of taxes that are paid. Its chief function is to secure a correct valuation of all the property within the state subject to taxation and thereby equitably distribute the burden it imposes. The valuation then forms the basis on which taxes are collected. Under the present budget law all public officers are called upon to set out in detail the amount of money needed for the coming year and the proposed levy to raise such amount. Taxpayers are invited to appear before the proper officers to consider this budget. After the budget is approved by the local officers, the levy to raise the money is determined. If in the opinion of the local taxpayers any amount or amounts in the budget so approved are excessive they can file a petition asking a review of such levy or levies by the State Board of Tax Commissioners, and where more money than government economically administered would warrant was proposed to be collected the levies have been reduced. Public officials ought to welcome a review of the levies. If their estimates were correct a review can secure for them the approval of the board, and where their estimates are shown to be too high the officials ought to welcome a reduction of the levy.

There have been instances in this state where enough funds remained as a balance at the end of the year to carry on the business for an entire year. It can easily be seen that such a condition leads to unnecessary expenditures and a waste of public funds.

There should be some protection given the taxpayers to prevent taxing officers from issuing bonds to raise the money for items eliminated as a result of a public hearing on the tax levies. We suggest a plan in our recommendation No. 4.

Some officers fail to publish the budget and taxpayers are given no opportunity to be heard on the proposed expenditures. There is not much need of having a budget law if officers are permitted to ignore it. We call attention to this in our recommendation No. 5.

How much money shall be spent for public purposes? That is the question that will determine the amount of taxes that are to be paid. The taxpayers under the present law have more rights and powers in controlling the expenses than they ever had. They are no longer at the mercy of extravagant local officials. They have the right to appeal to the state board and all such hearings are held locally.

At the recent session of the National Tax Conference different methods and systems of taxation were discussed and it was generally conceded that a tax on gasoline would be the most equitable way to raise money for maintaining and constructing highways.

The inheritance tax which is now paid into the state highway fund ought to be paid into the state general fund.

The special commission in 1916 advocated a fixed limit to the tax

rate. It suggested classifying counties into four classes, the rate for county purposes ranging from twenty cents to fifty cents per one hundred dollars. The experience of the State of Ohio on a limit to the tax rate was such that it was not thought wise to adopt it here. Raymond C. Atkinson of the Western Reserve University says:

"If anything could prove the utter folly of tax limitations, Ohio's experience with the Smith one per cent law ought to be sufficient."

There is this in favor of placing a limit on tax rates: It would cause the public to take more of an interest in supporting the assessing officers because increased taxes, where the limit was reached, could only be collected by adding more property to the tax duplicate. But the experience of other states should be considered in reaching a conclusion. The per capita distribution of wealth in this state varies so much that a limitation of the rate in one taxing unit would not be sufficient in another. This per capita distribution of wealth varies in this state to so great an extent that some taxing units have sixty times the wealth that others have. The budget plan now in effect in Indiana if properly understood will enable the taxpayers to control expenses. The figures attached hereto will show that the greatest increase in the taxes levied in the state has been for local purposes. The amount levied for the special and local tuition purposes in 1915 was \$11,321,655.20 and in 1922 this had been increased to \$40,176,490.47. County taxes for county gravel road repair and gravel road construction had increased from \$14,850,038.58 to \$30,794,291.14 in 1922.

An analysis of the table in this report will show exactly where the greatest increase in expenditures was made.

RECOMMENDATIONS

1. The right of the state board to certify for review and reassessment any property, ought not be limited to the third session. The power of the board ought to be broad enough, after proper notice to the taxpayers, to make a correction either by increasing or decreasing the assessment at any time prior to November 1 of each year.

2. The law as amended in 1921 concerning equalization within the county, and which provides for a reconvening of the county board of review, does not seem to have proven satisfactory. Local boards on being reconvened have not applied the increase on the units affected. The law should be amended, giving the state board a right to make its orders affect any taxing unit; provided that after the order has been made and ten or more taxpayers, or the taxing officers, petition for a rehearing, that such rehearing be granted and that such rehearing be held in the county where such taxing unit is located.

3. Section 201 as amended in 1921 is not satisfactory in its present form, as a question has been raised as to when the petition must be filed, whether within fifteen days after the determination or fifteen days after the fourteen-day notice is given. This section should be amended to provide that whenever the taxing officers contemplate issuing any bonds or evidence of indebtedness in excess of \$5,000, that the taxing

officers should give a fourteen-day notice prior to the time at which the taxing officers will determine the question of issuing the bonds or evidence of indebtedness, setting forth the time and place at which such determination will be considered, so that the taxpayers shall have a right to be heard thereon at such time and that after such determination ten or more taxpayers who will be affected by such indebtedness and who may be of the opinion that such bonds or other evidence of indebtedness should not be issued, or that the proposed issue is excessive for the proposed purpose thereof, may file a petition with the county auditor within fifteen days after such determination and a hearing shall be held thereon. This section should also provide that after such hearing shall have been had that all bonds or other evidences of indebtedness issued after the board shall have made its order, shall be incontestable, except for fraud, forgery or for excess of the constitutional limitations. This section shall not apply to temporary obligations. The law as it now exists enables the taxing officers to determine to issue bonds without the taxpayer knowing of such contemplated action. The amendment suggested will be an additional protection to the taxpayers and will give them a chance to be heard before the officers act on such determination.

4. After the budget has been fixed, no loan of any character should be permitted to secure funds for any purpose which was or could have been included in the budget except in an emergency, and then only after a petition setting forth the fact has been filed with the State Board of Tax Commissioners and on the filing of such petition a hearing shall be held thereon in the county where the interested taxing unit is located, and the board, after a hearing on such petition, if it appear that a necessity exists for the relief prayed for, the State Board of Tax Commissioners shall approve the issuance of such bonds or other evidences of indebtedness either as prayed for, or with such modifications or upon such conditions as may be deemed just and proper. If on such hearing, it shall appear that such relief ought not to be granted, the State Board of Tax Commissioners shall so declare and such bonds or other evidences of indebtedness shall not be issued. Without some provision of this kind the budget law can be set aside and taxing officers may by issuing bonds secure what they did not obtain in tax levies.

5. In some taxing units the officers have failed to prepare and publish a budget as required by law, which if allowed to continue will defeat the wholesome provisions of the budget law. A penalty should be provided in all cases where the taxing officers fail to give the taxpayers the notice to which they are entitled.

With the above recommendations enacted into law Indiana's tax statute will be a model of its kind. It must be remembered that in framing a tax law it must be done within constitutional limitations. Care should be taken that whatever changes that may be contemplated are changes that will strengthen and not weaken the law.

The great inequalities in valuations that existed under the old law have been largely wiped out and there is a more equitable assessment at this time in Indiana than ever before. While there is still some room for improvement, the continued enforcement of this law will accomplish all that is humanly possible in this respect.

	1914	1915	1916	1917	1918	1919	1920	1921
Total Net Valuations.....	\$2,120,943,320 00	\$2,133,662,092 00	\$2,199,523,803 00	\$2,124,951,446 00	\$2,233,761,065 00	\$5,749,258,800 00	\$5,838,717,040 00	\$5,701,825,792 00
STATE								
General Fund.....	1,527,601 84	1,574,903 67	1,375,895 17	1,081,968 70	1,115,662 26	1,372,536 09	819,080 19	814,424 89
Benevolent.....	1,970,580 99	2,043,586 15	1,759,491 47	2,125,330 53	2,233,757 18	2,242,228 78	3,444,852 99	3,421,136 87
Highway Fund.....						2,242,228 85	2,277,105 14	1,881,626 32
State School.....	2,857,269 12	2,953,474 18	2,982,155 45	3,117,718 94	3,260,069 47	3,212,315 37	3,504,902 08	4,235,557 48
Education.....	1,379,389 94	1,430,515 76	1,279,357 82	1,492,374 71	1,563,629 49	1,609,806 09	1,634,844 00	2,850,048 13
Vocational.....	197,256 28	204,708 38	204,129 70	106,266 19	111,686 64	114,986 58	116,774 26	285,094 46
Teachers' Pension.....								114,037 80
Soldiers' Memorial.....							350,324 16	342,113 79
Agricultural Exp. Station.....								228,075 02
COUNTY								
General Fund.....	6,562,737 77	6,961,886 02	6,886,927 89	7,545,714 26	8,526,968 31	8,482,699 54	12,040,963 16	12,372,648 43
Gravel Road Repair.....	2,054,405 93	2,178,421 10	2,518,860 91	2,734,437 94	3,080,945 82	3,703,286 28	6,545,345 76	6,130,862 60
Gravel Road Construction	6,232,894 88	6,906,960 76	8,078,406 80	8,384,244 36	8,659,760 80	8,213,867 74	10,011,436 55	12,291,280 11
TOWNSHIP								
Township Fund.....	1,291,311 41	1,593,776 48	1,610,244 78	1,567,408 96	1,483,647 29	1,381,272 03	1,872,763 84	1,861,336 38
Tuition.....	5,064,149 17	5,677,100 93	5,983,988 47	6,394,070 73	7,104,747 57	10,562,034 42	21,012,482 10	21,451,788 10
Special School.....	6,257,506 03	7,046,910 14	7,328,035 84	8,905,441 16	10,026,423 91	10,643,400 67	18,608,286 26	18,724,302 37
Road.....	1,334,078 44	1,502,867 28	1,565,444 95	2,633,183 03	2,414,051 09	2,036,981 40	2,907,913 06	2,953,487 51
Poor.....	368,567 15	516,243 58	502,540 62	550,089 45	541,026 54	400,262 51	503,200 16	743,478 73
CITIES AND TOWNS								
General Fund.....				7,932,607 91	8,938,672 77	9,581,861 15	16,676,630 48	13,396,956 10
Streets and Alleys.....				152,725 11	167,543 18	194,492 81	288,615 76	294,952 40
Light and Water.....				454,748 76	557,570 23	552,714 97	662,584 41	656,992 91
Miscellaneous Tax.....	13,731,023 82	14,877,441 95	15,787,451 84	8,208,442 04	8,581,046 05	9,078,813 11	8,201,661 17	9,591,023 92
Totals.....	\$50,828,772 77	\$55,468,796 38	\$57,862,931 71	\$63,406,772 78	\$68,367,208 60	\$75,615,798 39	\$111,459,765 53	\$114,641,524 32

		State Tax	State Benev.	State Debt	State School	State Educ.	State Voc.	State Highway	Soldiers' Mem.	Ag. Ex. Sta.	Teachers' Pens.
1907	Collected 1908..	\$2,284,503 22	\$858,509 52	.....	\$2,559,223 90	\$472,117 13	.....	.....	.....	.....	.....
1908	Collected 1909..	1,776,495 28	861,644 40	\$516,964 33	2,569,207 38	473,899 04	.....	.....	.....	.....	.....
1909	Collected 1910..	1,796,683 55	871,219 80	522,730 68	2,598,202 32	479,171 13	.....	.....	.....	.....	.....
1910	Collected 1911..	1,839,562 89	897,089 29	269,126 22	2,664,878 86	893,399 32	.....	.....	.....	.....	.....
1911	Collected 1912..	1,930,465 06	945,808 36	283,739 92	2,800,604 54	520,191 19	.....	.....	.....	.....	.....
1912	Collected 1913..	1,938,895 62	949,268 31	284,799 55	2,811,169 89	522,101 54	.....	.....	.....	.....	.....
1913	Collected 1914..	1,587,164 59	1,939,920 75	290,389 08	2,867,555 84	1,357,931 78	\$194,761 45	.....	.....	.....	.....
1914	Collected 1915..	1,607,330 45	1,967,471 27	295,123 75	2,905,884 91	1,377,229 67	196,747 43	.....	.....	.....	.....
1915	Collected 1916..	1,668,313 93	2,051,343 14	309,253 65	3,020,649 09	1,435,931 27	205,134 39	.....	.....	.....	.....
1916	Collected 1917..	1,676,951 92	2,060,682 34	309,102 00	3,036,625 41	1,442,706 27	206,068 28	.....	.....	.....	.....
1917	Collected 1918..	1,081,968 70	2,125,330 53	.....	3,117,718 94	1,492,374 71	106,268 19	.....	.....	.....	.....
1918	Collected 1919..	1,115,662 26	2,232,757 18	.....	3,260,069 47	1,563,629 49	111,688 64	.....	.....	.....	.....
1919	Collected 1920..	1,372,536 09	2,242,228 78	.....	3,212,315 37	1,609,806 09	114,988 58	\$2,242,228 85	.....	.....	.....
1920	Collected 1921..	819,080 19	3,444,552 89	.....	3,504,902 08	1,324,944 00	116,774 26	2,277,105 14	\$350,324 16	.....	.....
1921	Collected 1922..	814,424 89	3,421,136 87	.....	4,235,557 48	2,850,948 13	285,094 46	1,881,626 32	342,113 79	\$228,075 02	\$114,037 80

		Total State Duplicate	Total Local Duplicate	Total Tax Duplicate State and Local
1907	Collected 1908.....	\$6,174,353 77	\$29,875,921 34	\$36,050,275 11
1908	Collected 1909.....	6,198,211 03	31,121,867 44	37,319,578 47
1909	Collected 1910.....	6,268,007 48	33,476,962 89	39,744,970 37
1910	Collected 1911.....	6,564,056 58	34,583,827 33	41,147,883 91
1911	Collected 1912.....	6,480,809 07	37,654,212 56	44,135,021 63
1912	Collected 1913.....	6,506,214 91	39,139,131 47	45,645,346 38
1913	Collected 1914.....	8,238,323 49	42,007,412 20	50,245,735 69
1914	Collected 1915.....	8,349,787 48	43,631,161 17	51,980,948 65
1915	Collected 1916.....	8,690,625 47	48,389,645 42	57,080,270 89
1916	Collected 1917.....	8,732,136 22	51,050,157 94	59,782,294 16
1917	Collected 1918.....	7,923,659 07	55,483,113 71	63,406,772 78
1918	Collected 1919.....	8,284,805 04	60,082,403 56	68,367,208 60
1919	Collected 1920.....	10,794,101 76	64,821,696 63	75,615,798 39
1920	Collected 1921.....	12,147,882 82	99,311,882 71	111,459,765 53
1921	Collected 1922.....	14,173,014 76	100,468,509 56	114,641,524 32

GOVERNORS

1907-1908.....	Hanly
1909-1912.....	Marshall
1913-1916.....	Ralston
1917-1920.....	Goodrich
1921.....	McCray

STATE TAX LEVIES OF INDIANA

YEAR	State Revenue	State School Revenue	Benevolent Institution	State Debt Sinking Fund	Educational Institution	Vocational Education	Highway Commission	Memorial Fund	Agricultural Experiment Station	Teachers' Retirement Fund	Total Levies
1900.....	9	11	5	3	1.666						29.666
1901.....	9	11	5	3	1.666						29.666
1902.....	9	11	5	3	1.666						29.666
1903.....	9	11	5	3	2.75						30.75
1904.....	9	11	5	3	2.75						30.75
1905.....	12	11.6	5		2.75						31.35
1906.....	12	11.6	5		2.75						31.35
1907.....	12	13.6	5		2.75						33.35
1908.....	9	13.6	5	3	2.75						33.35
1909.....	9	13.6	5	3	2.75						33.35
1910.....	9	13.6	5	1.5	2.75						31.85
1911.....	9	13.6	5	1.5	2.75						31.85
1912.....	9	13.6	5	1.5	2.75						31.85
1913.....	7	13.6	10	1.5	7	1					40.10
1914.....	7	13.6	10	1.5	7	1					40.10
1915.....	7	13.6	10	1.5	7	1					40.10
1916.....	7	13.6	10	1.5	7	1					40.10
1917.....	4	13.6	10		7	.5					35.10
1918.....	4	13.6	10		7	.5					35.10
1919.....	2	5.2	3.9		2.8	.2	3.9				18.00
1920.....	1	5.6	5.9		2.8	.2	3.9	.6			20.00
1921.....	1	7	6		5	.5	3.3	.6	.4	.2	24.00
1922.....	2	7	8		5	.5	3	.6	.4	.5	27.00

TOTAL TAX RATES FOR CITIES

The following table shows the total tax rates of all cities in each of the counties in 1921 and 1922, and also shows the ranking of the rates of the different cities for each of the two years. The figures are based on each \$100 assessed valuation and the city having the lowest total tax rate in 1922 is listed first, followed by the next lowest, and so on.

CITY	1922 Rate	1922 Rank	1921 Rank	1921 Rate	CITY	1922 Rate	1922 Rank	1921 Rank	1921 Rate
Fort Wayne.....	2.27	1	4	2.10	Marion				
East Chicago.....	2.30	2	2	1.97	Washington Twp.....	3.02	58	94	3.33
Lafayette.....	2.31	3	13	2.30	Wabash.....	3.04	59	34	2.58
Whiting.....	2.32	4	1	1.86	Lebanon.....	3.04	60	65	2.90
Gary-Hobart Twp.....	2.36	5	30	2.56	Batesville.....	3.06	61	47	2.68
Gary-Calumet Twp.....	2.36	6	11	2.24	Decatur				
Rushville.....	2.37	7	7	2.15	Washington Twp.....	3.07	62	68	2.94
Indianapolis					Rochester.....	3.08	63	49	2.72
Center Township.....	2.40	8	15	2.32	Columbus.....	3.10	64	40	2.60
Kendallville.....	2.47 $\frac{1}{2}$	9	27	2.47	Greensburg.....	3.11	65	75	3.08
Franklin.....	2.49	10	8	2.15	Evansville-Knight Twp.....	3.16	66	53	2.76
Kokomo.....	2.50	11	3	2.08	Dunkirk.....	3.16	67	88	3.25
Indianapolis-Perry Twp.....	2.50	12	26	2.46	Frankfort.....	3.18	68	61	2.84
Warsaw.....	2.52	13	39	2.60	Portland.....	3.20	69	89	3.27
Shelbyville.....	2.52	14	14	2.32	Laporte.....	3.20	70	50	2.74
Butler.....	2.55	15	60	2.83	Washington.....	3.22	71	85	3.22
Mishawaka.....	2.57	16	12	2.26	New Albany.....	3.22	72	81	3.18
South Bend					Lawrenceburg.....	3.23	73	36	2.59
Portage Township.....	2.58	17	20	2.37	Winchester.....	3.24	74	37	2.60
South Bend-Center Twp.....	2.58	18	32	2.57	Noblesville.....	3.26	75	58	2.82
Rensselaer.....	2.61	19	16	2.34	Montpelier.....	3.26	76	102	3.56
Indianapolis					Evansville-Perry Twp.....	3.26	77	54	2.76
Wayne Township.....	2.63	20	38	2.60	Aurora.....	3.28	78	73	3.07
Indianapolis					Terre Haute.....	3.30	79	83	3.19
Warren Township.....	2.64	21	33	2.57	Tell City.....	3.31	80	62	2.87
Evansville-Pigeon Twp.....	2.64	22	10	2.22	Decatur-Root Twp.....	3.35	81	77	3.13
Delphi.....	2.64	23	29	2.56	Logansport.....	3.38	82	64	2.90
Indianapolis					Jeffersonville.....	3.40	83	76	3.08
Washington Twp.....	2.69	24	45	2.66	Jasper.....	3.45	84	59	2.82
Muncie.....	2.70	25	46	2.66	Huntingburg.....	3.50	85	66	2.92
Connersville					Jasonville.....	3.55	86	101	3.48
Connersville Twp.....	2.70	26	22	2.38	Princeton.....	3.56	87	95	3.35
Connersville					Clinton.....	3.56	88	67	2.94
Harrison Township.....	2.71	27	21	2.37	Greencastle.....	3.59	89	56	2.80
Newcastle.....	2.73	28	31	2.56	Cannelton.....	3.62	90	103	3.62
Huntington.....	2.74	29	19	2.36	Bluffton.....	3.62	91	99	3.42
Crown Point.....	2.76	30	43	2.62	Mt. Vernon.....	3.64	92	78	3.13
Hammond.....	2.77	31	17	2.34	Madison.....	3.68	93	96	3.36
Plymouth.....	2.78	32	18	2.36	Gas City.....	3.68	94	104	3.76
Marion-Franklin Twp.....	2.78	33	72	3.07	Rising Sun.....	3.72	95	100	3.42
Angola.....	2.78	34	35	2.58	Martinsville.....	3.74	96	98	3.40
Tipton.....	2.80	35	23	2.40	Valparaiso.....	3.74	97	86	3.22
Hartford City.....	2.80	36	41	2.62	Brazil-Brazil Twp.....	3.77	98	107	3.85
Crawfordsville.....	2.80	37	71	3.04	Bicknell				
Anderson.....	2.84	38	69	2.95	Washington Twp.....	3.79	99	79	3.18
Auburn.....	2.85	39	28	2.53	Covington.....	3.82	100	91	3.28
Greenfield.....	2.86	40	24	2.42	Sullivan.....	3.88	101	105	3.80
Marion-Pleasant Twp.....	2.88	41	82	3.19	Michigan City.....	3.88	102	93	3.32
Marion-Center Twp.....	2.89	42	87	3.22	Bloomington				
Union City.....	2.90	43	51	2.74	Perry Township.....	3.90	103	92	3.32
Elkhart-Concord Twp.....	2.91	44	6	2.12	Rockport.....	3.96	104	113	4.29
Columbia City.....	2.92	45	84	3.20	Bloomington				
Peru.....	2.92	46	70	3.02	Bloomington Twp.....	4.00	105	97	3.40
Vincennes.....	2.93	47	25	2.44	Elwood.....	4.05	106	111	4.16
North Vernon.....	2.94	48	57	2.81	Alexandria.....	4.05	107	109	4.02
Ligonier.....	2.94	49	42	2.62	Veederburg.....	4.09	108	90	3.28
Attica.....	2.96	50	44	2.64	Bicknell-Vigo Twp.....	4.13	109	80	3.18
Goshen.....	2.97	51	48	2.68	Bedford.....	4.36	110	114	4.30
Elkhart-Osola Twp.....	2.97	52	9	2.18	Brazil-Jackson Twp.....	4.39	111	112	4.19
Monticello.....	2.98	53	5	2.11	Linton.....	4.46	112	108	4.00
Garrett.....	2.99	54	55	2.76	Loogootee.....	4.50	113	110	4.08
Seymour.....	3.00	55	74	3.08	Vevay.....	4.70	114	115	4.66
Richmond.....	3.00	56	63	2.90	Boonville.....	5.18	115	106	3.82
Hobart.....	3.00	57	.....	2.68	Mitchell.....	5.22	116	116	5.16

TOTAL TAX RATES FOR TOWNS

The following table shows the total tax rates of all towns for 1921 and 1922, and also shows the ranking of the rates of the different towns for each of the two years. The figures are based on each \$100 assessed valuation and are listed with the town having the lowest total tax rate in 1922 first, followed by the next lowest, and so on.

TOWN	1922 Rate	1922 Rank	1921 Rank	1921 Rate	TOWN	1922 Rate	1922 Rank	1921 Rank	1921 Rate
Waynetown.....	1.06	1	13	1.52	Mt. Etna (Jefferson Township).....	2.00	68	82	1.92
Woodstock.....	1.34	2	3	1.26	Griffith.....	2.00	69	31	1.66
Schererville.....	1.40	3	5	1.40	La Paz.....	2.00	70	170	2.22
North Grove.....	1.43	4	14	1.52	Linden.....	2.00	71	146	2.14
Ambia.....	1.46	5	39	1.72	Dana.....	2.00	72	100	2.00
Munster.....	1.50	6	24	1.62	Poneto.....	2.00	73	65	1.82
Windfall.....	1.50	7	12	1.52	Brookston.....	2.00	74	58	1.80
Elizabethtown.....	1.52	8	2	1.22	Straughton.....	2.01	75	97	1.99
Highland.....	1.56	9	19	1.58	Battle Ground.....	2.02	76	33	1.67
Ladoga.....	1.56	10	190	2.32	Morristown.....	2.02	77	35	1.70
Markleville.....	1.59	11	6	1.42	Kouts.....	2.02	78	11	1.50
Dyer.....	1.60	12	41	1.72	Middlebury.....	2.03	79	78	1.90
Ridgeview.....	1.61	13	71	1.85	Darlington.....	2.04	80	130	2.10
Westville.....	1.62	14	271	2.62	Glenwood (Rush Co.).....	2.04	81	47	1.74
Greensboro.....	1.63	15	9	1.48	Mt. Summit.....	2.04	82	102	2.00
Kennard.....	1.63	16	1	1.18	Newton.....	2.04	83	72	1.86
Sharpsville.....	1.64	17	16	1.56	Sulphur Springs.....	2.05	84	126	2.09
Lewisville.....	1.64	18	29	1.65	Clayton.....	2.06	85	98	1.99
Millersburg.....	1.66	19	64	1.82	Blountsville.....	2.06	86	70	1.84
Leesburg.....	1.66	20	32	1.66	LaCrosse.....	2.06	87	121	2.08
Mentone (Harrison Township).....	1.66	21	59	1.80	Otterbein.....	2.07	88	44	1.73
Fowlerton.....	1.68	22	25	1.62	Saratoga.....	2.08	89	26	1.63
New Market (Union Township).....	1.70	23	51	1.76	Judson.....	2.08	90	120	2.08
Monterey.....	1.70	24	49	1.75	Wilkinson.....	2.08	91	30	1.66
College Park.....	1.72	25	8	1.48	Michigantown.....	2.08	92	133	2.10
Dunreith.....	1.72	26	28	1.64½	Grabill.....	2.10	93	127	2.09
Advance.....	1.72	27	62	1.82	Kempton.....	2.10	94	34	1.68
Swayzee.....	1.75	28	40	1.72	Burnettsville.....	2.10	95	91	1.95
Greensfork.....	1.76	29	22	1.61	Centerville.....	2.12	96	152	2.15
Shirley City.....	1.78	30	95	1.98	Larwill.....	2.12	97	70	1.94
Jonesville.....	1.78	31	4	1.36	Wolcottville (Lagrange Co.).....	2.12	98	191	2.33
Rossville.....	1.78	32	63	1.82	Amo.....	2.12	99	45	1.73
Chalmers.....	1.78	33	17	1.57	Wallace.....	2.12	100	189	2.32
Clifford.....	1.80	34	7	1.46	Winona Lake.....	2.14	101	210	2.40
New Ross.....	1.80	35	218	2.42	Pierceton.....	2.14	102	122	2.08
Spiceland.....	1.81	36	43	1.72½	Pine Village.....	2.14	103	195	2.34
Hessville.....	1.82	37	27	1.64	Ingalls.....	2.14	104	38	1.71
Kirklin.....	1.84	38	76	1.88	Plainfield.....	2.14	105	107	2.02
Wolcottville (Noble Co.).....	1.84	39	185	2.30	Parker City.....	2.15	106	129	2.10
Shipsheawanna.....	1.86	40	36	1.70	Boswell.....	2.15	107	110	2.04
New Market (Scott Township).....	1.86	41	52	1.76	Monroe.....	2.16	108	87	1.94
Topeka (Cleatspring Twp.).....	1.88	42	21	1.60	Colfax.....	2.16	109	157	2.16
Camden.....	1.90	43	79	1.92	St. John.....	2.16	110	203	2.38
Bristol.....	1.90	44	18	1.58	South Whitley.....	2.16	111	207	2.40
Altoona.....	1.92	45	80	1.92	Fountain City.....	2.16	112	48	1.75
St. Meinrad.....	1.93	46	109	2.02	Economy.....	2.17	113	.....	.....
Osceola.....	1.93	47	66	1.83	Mooreland.....	2.17	114	188	2.31½
New Palestine.....	1.94	48	138	2.12	Nappanee (Locke Twp.).....	2.17	115	111	2.04
Selma.....	1.94	49	53	1.77	Claypool.....	2.18	116	145	2.14
Springport.....	1.94	50	85	1.93	Ossian.....	2.18	117	128	2.10
Mt. Etna (Lancaster Township).....	1.94	51	69	1.84	Clarks Hill.....	2.18	118	115	2.06
Long Beach.....	1.94	52	.....	.....	Mt. Etna (Wayne Twp.).....	2.18	119	166	2.20
Castleton.....	1.94	53	68	1.84	Cadiz.....	2.18	120	176	2.26
Southport.....	1.94	54	141	2.13	Glenwood (Orange Twp., Fayette Co.).....	2.18	121	148	2.15
Woodruff Place.....	1.94	55	112	2.04	Nappanee (Union Twp.).....	2.18	122	119	2.08
Alamo.....	1.94	56	154	2.16	Jamestown.....	2.18	123	106	2.02
Avilla.....	1.94	57	55	1.78	Salamonia.....	2.19	124	165	2.20
St. Paul (Shelby Co.).....	1.94	58	.....	.....	Glenwood (Fairview Twp., Fayette Co.).....	2.20	125	167	2.21
New Haven.....	1.96	59	86	1.93	Cromwell.....	2.20	126	73	1.86
Fowler.....	1.96	60	50	1.75	Reynolds.....	2.22	127	83	1.92
State Line.....	1.96	61	247	2.54	Uniondale.....	2.22	128	42	1.72
Topeka (Eden Twp.).....	1.98	62	15	1.53	Macy.....	2.23	129	162	2.20
Clermont.....	1.98	63	92	1.96	Etna Green.....	2.24	130	116	2.06
Vera Cruz.....	1.98	64	74	1.88	Hudson (Salem Twp.).....	2.24	131	239	2.51
Milton.....	1.98	65	23	1.62	Ravenswood.....	2.24	132	376	3.24
Shirley (Henry Co.).....	1.99	66	60	1.81	Warren.....	2.24	133	297	2.76
Carthage.....	1.99	67	37	1.70	Spring Grove.....	2.25	134	182	2.30
					Ashley (Steuben Co.).....	2.26	135	151	2.15

TOWN	1922 Rate	1922 Rank	1921 Rank	1921 Rate	TOWN	1922 Rate	1922 Rank	1921 Rank	1921 Rate
Hamilton.....	2.27	136	84	1.93	Orestes.....	2.57	209	206	2.39
Upland.....	2.27	137	132	2.10	Russellville.....	2.58	210	208	2.40
Oxford.....	2.27	138	105	2.01	Medaryville.....	2.58	211	290	2.72
Monroeville.....	2.27	139	96	1.98	North Madison.....	2.58	212	231	2.48
Mt. Auburn.....	2.28	140	10	1.50	Van Buren.....	2.58	213	219	2.43
Wingate.....	2.28	141	285	2.68	Wakarusa.....	2.58	214	227	2.46
Greentown.....	2.28	142	77	1.90	Corunna.....	2.59	215	224	2.45
St. Paul (Decatur Co.)..	2.28	143	.....	.....	Edinburg.....	.....	.....	.....	.....
Elnora.....	2.28	144	161	2.19	(Bartholomew Co.)...	2.60	216	275	2.64
Greenville.....	2.30	145	117	2.07	Clarksville.....	2.60	217	237	2.60
Medora.....	2.30	146	269	2.62	Chesterfield.....	2.60	218	243	2.52
New Richmond.....	2.30	147	323	2.90	Syracuse.....	2.60	219	282	2.66
Marshall.....	2.30	148	159	2.18	Yorktown.....	2.61	220	156	2.16
Bryant.....	2.31	149	160	2.19	West College Corner.....	2.62	221	278	2.64
Somerville.....	2.31	150	.....	.....	Gosport.....	2.62	222	201	2.36
Roseland.....	2.32	151	179	2.28	Lizton.....	2.62	223	274	2.63
Frankton.....	2.32	152	177	2.27	Greendale.....	2.63	224	178	2.28
Mellott.....	2.32	153	192	2.34	Jonesboro.....	2.63	225	368	3.21
Knox.....	2.33	154	352	3.11	Broad Ripple.....	2.65	226	277	2.64
Hagerstown.....	2.33	155	99	2.00	Aetna.....	2.66	227	155	2.16
Mentone.....	.....	.....	.....	.....	Fremont.....	2.66	228	213	2.41
(Franklin Twp.).....	2.34	156	101	2.00	Knightstown.....	2.68	229	175	2.25½
University Heights.....	2.34	157	164	2.20	Boston.....	2.68	230	252	2.55
Coatesville.....	2.34	158	89	1.94	Brooklyn.....	2.68	231	171	2.22
Fortville.....	2.34	159	81	1.92	Beech Grove.....	.....	.....	.....	.....
New Amsterdam.....	2.35	160	230	2.48	(Franklin Twp.).....	2.68	232	256	2.57
Switz City.....	.....	.....	.....	.....	East Gary.....	2.68	233	232	2.48
(Fairplay Twp.).....	2.36	161	211	2.40	Earl Park.....	2.69	234	104	2.00
New Carlisle.....	2.36	162	183	2.30	East Connersville.....	2.70	235	94	1.97
Hudson (Steuben Twp.)..	2.38	162	273	2.62	Cicero.....	2.70	236	226	2.46
Liberty.....	2.38	164	223	2.44	Waveland.....	2.70	237	318	2.88
Oldenburg.....	2.38	165	61	1.81	North Liberty.....	2.70	238	253	2.56
Switz City (Grant Twp.)	2.39	166	325	2.91	Whitewater.....	2.71	239	124	2.09
Goodland.....	2.39	167	264	2.60½	Poseyville.....	2.71	240	254	2.49
Milford (Decatur Co.)..	2.39	168	212	2.41	Kentland.....	2.71	241	244	2.52½
North Salem.....	2.40	169	46	1.73	Edinburg (Johnson Co.)	2.71	242	301	2.78
Rosedale.....	2.40	170	209	2.40	Sidney.....	2.72	243	311	2.84
Cayuga.....	2.40	171	200	2.36	Bunker Hill.....	2.72	244	194	2.34
Milford (Kosciusko Co.)	2.40	172	131	2.10	Newport.....	2.74	245	114	2.06
East Germantown.....	2.40	173	67	1.83	Fairview Park.....	2.74	246	258	2.58
Shirley (Hancock Co.)..	2.41	174	143	2.14	Chesterston.....	2.74	247	108	2.02
Beech Grove.....	.....	.....	.....	.....	Brook.....	2.74	248	140	2.12½
(Center Twp.).....	2.43	175	202	2.36	Schneider.....	2.74	249	242	2.52
Ridgeville.....	2.43	176	136	2.11	Redkey.....	2.74	250	291	2.73
West LaFayette.....	2.43	177	199	2.35	Westfield.....	2.74	251	262	2.60
Lakeville.....	2.44	178	153	2.16	New Point.....	2.75	252	220	2.44
New Market.....	.....	.....	.....	.....	Mt. Etna (Polk Twp.)..	2.76	253	193	2.34
(Brown Twp.).....	2.44	179	254	2.56	Bourbon.....	2.76	254	163	2.20
Pittsboro.....	2.44	180	135	2.11	La Fontaine.....	2.76	255	172	2.22
Hamlet (Davis Twp.)..	2.45	181	251	2.55	La Grange.....	2.77	256	261	2.60
Farmland.....	2.45	182	113	2.04	Monon.....	2.78	257	158	2.17
Flora.....	2.46	183	265	2.62	Roachdale.....	2.78	258	173	2.23
Kewanna.....	2.46	184	240	2.52	Hebron.....	2.78	259	181	2.29
Middletown.....	2.46	185	330	2.94	Denver.....	2.78	260	255	2.56
Orland.....	2.47	186	214	2.41	Zionsville.....	2.78	261	283	2.66
Hamlet (Oregon Twp.)..	2.47	187	229	2.47	Hobart.....	.....	.....	.....	.....
Whiteland.....	2.47	188	270	2.62	Sellersburg.....	2.80	262	292	2.74
Pennville.....	2.48	189	217	2.42	Fishers.....	2.80	263	284	2.68
Brownsburg.....	2.48	190	144	2.48	Lowell.....	2.80	264	303	2.80
Ashley (DeKalb Co.)..	2.49	191	197	2.35	New Chicago.....	2.80	265	390	3.38
Mt. Ayr.....	2.49	192	169	2.21½	Cynthiana.....	2.80	266	280	2.66
Arcadia.....	2.50	193	216	2.42	La Gro.....	2.82	267	147	2.14
Andrews.....	2.50	194	187	2.30	Culver.....	2.82	268	315	2.86
Pendleton.....	2.52	195	233	2.48	Brooksburg.....	2.82	269	293	2.74
Haubstadt.....	2.52	196	88	1.94	Danville.....	2.82	270	268	2.62
Hartsville.....	2.52	197	93	1.96	French Lick.....	2.84	271	377	3.25
Matthews.....	2.53	198	149	2.15	Albion.....	2.84	272	302	2.80
Beech Grove.....	.....	.....	.....	.....	Lyons.....	2.84	273	386	3.37
(Perry Twp.).....	2.53	199	236	2.50	Charlestown.....	2.84	274	266	2.62
Churubusco.....	2.54	200	296	2.76	Berne.....	2.85	275	263	2.60
Wolcott.....	2.54	201	123	2.09	Cedar Grove.....	2.86	276	238	2.51
Sheridan.....	2.54	202	137	2.12	Silver Lake.....	2.88	277	186	2.30
Porter.....	2.55	203	75	1.88	Bronson.....	2.88	278	150	2.29
Brookville.....	2.55	204	250	2.55	Carmel (Clay Twp.)..	2.88	279	246	2.54
Gaston.....	2.55	205	267	2.62	Akron.....	2.88	280	259	2.58
West Harrison.....	2.55	206	308	2.80	Walton.....	2.88	281	134	2.10
Onward.....	2.56	207	142	2.14	St. Joe.....	2.88	282	54	1.77
Lapel.....	2.56	208	225	2.46	Waterloo.....	2.88	283	322	2.89

TOWN	1922 Rate	1922 Rank	1921 Rank	1921 Rate	CITY	1922 Rate	1922 Rank	1921 Rank	1921 Rate
Bargersville.....	2.89	284	228	2.47	Morocco.....	3.38	359	196	2.34½
Hope.....	2.90	285	174	2.24	Ferdinand.....	3.40	360	370	3.22
Hillsboro.....	2.90	286	103	2.00	Montezuma				
Wheatland.....	2.90	287	150	2.15	(Wabash Twp.).....	3.40	361	351	3.10
Roann.....	2.90	288	260	2.60	Gentryville.....	3.40	362	337	2.97
Eaton.....	2.92	289	288	2.70	Stinesville.....	3.42	363	380	3.28
Claysburg.....	2.92	290	248	2.55	Greenwood.....	3.44	364	407	3.63
Galveston.....	2.92	291	276	2.64	Amboy.....	3.45	365	354	3.12
Universal.....	2.94	292	300	2.78	Seeleyville.....	3.45	366	382	3.32
Roanoke.....	2.94	293	304	2.80	Palmyra.....	3.46	367	373	3.23
Milhausen.....	2.94	294	56	1.78	Fredericksburg.....	3.47	368	383	3.33
Kingman.....	2.95	295	204	2.38	Fulton.....	3.48	369	375	3.24
Bloomington.....	2.96	296	281	2.66	Worthington.....	3.48	370	400	3.51
Mauckport.....	2.97	297	378	3.26	Francisco.....	3.48	371	320	2.89
Elberfeld.....	2.98	298	319	2.88	Clay City.....	3.49	372	384	3.35
Summitville.....	2.98	299	312	2.84	Farmersburg.....	3.49	373	349	3.08
Newberry.....	2.98	300	309	2.82	Hymera.....	3.49	374	348	3.08
Troy.....	2.99	301	299	2.77	Mooreville.....	3.50	375	221	2.44
Cannelburg.....	3.00	302	313	2.85	Grandview.....	3.51	376	387	3.38
Albany.....	3.00	303	335	2.96	Williamsport.....	3.52	377	394	3.44
Carmel					Royal Center.....	3.52	378	336	2.96
(Delaware Twp.).....	3.00	304	328	2.94	Hanover.....	3.42	379	369	3.21
Remington.....	3.01	305	241	2.52	Milan.....	3.54	380	411	3.66
Laurel.....	3.01	306	307	2.80	Geneva.....	3.55	381	374	3.24
West Lebanon.....	3.02	307	287	2.70	Sandborn.....	3.55	382	257	2.57
Sumner.....	3.02	308	344	3.04	Paragon.....	3.56	383	272	2.62
New Middletown.....	3.02	309	317	2.88	West Baden.....	3.58	384	418	3.79
Mt. Carmel.....	3.02	310	57	1.79	Corydon.....	3.58	385	392	3.42
New Providence.....	3.02	311	205	2.39	Cloverdale.....	3.60	386	395	3.46
Lynn.....	3.03	312	168	2.21	Monroe City.....	3.60	387	235	2.49
West Modoc.....	3.04	313	118	2.07	Hazleton.....	3.61	388	306	2.80
Walkerton.....	3.05	314	355	3.12	Orleans.....	3.63	389	397	3.47
Odon.....	3.06	315	249	2.55	Shelburn.....	3.64	390	353	3.11
Winamac.....	3.06	316	310	2.82	Milan				
Saltillo.....	3.06	317	222	2.44	(Washington Twp.).....	3.66	391	419	3.82
South Peru.....	3.07	318	343	3.04	Staunton.....	3.68	392	359	3.14
Moorefield.....	3.08	319	314	2.86	Carlisle.....	3.68	393	406	3.61
Bainbridge.....	3.09	320	198	2.35	Dugger.....	3.68	394	372	3.23
Atlanta.....	3.10	321	289	2.72	Merom.....	3.70	395	334	2.95
Converse.....	3.10	322	341	3.02	Patoka.....	3.71	396	298	2.76
North Manchester.....	3.10	323	338	2.98	Spencer.....	3.71	397	396	3.47
Wheatfield.....	3.12	324	366	3.18	Versailles.....	3.72	398	408	3.64
Tennyson.....	3.12	325	295	2.75	Dale.....	3.72	399	381	3.32
North Judson.....	3.13	326	365	3.17	Owensville.....	3.73	400	215	2.42
Bremen.....	3.14	327	316	2.86	Patriot.....	3.74	401	398	3.50
Griffin.....	3.15	328	371	3.22	Montezuma (Reserve).....	3.38	402	389	3.38
Georgetown.....	3.15	329	367	3.21	West Terre Haute.....	3.36	403	385	3.36
Bloomfield.....	3.15	330	403	3.57	Dillsboro.....	3.77	404	279	2.65
Lacoma.....	3.16	331	329	2.94	Ellettsville.....	3.82	405	361	3.14
Markle					Hardinsburg.....	3.82	406	401	3.53
(Huntington Co.).....	3.16	332	305	2.80	Paoli.....	3.83	407	410	3.64
Cambridge City.....	3.17	333	358	3.13	Montgomery.....	3.84	408	245	2.53
Oaktown.....	3.17	334	321	2.89	New Harmony.....	3.85	409	333	2.95
Fairmount.....	3.17	335	339	2.98	Little York.....	3.87	410	356	3.12
Lynnville.....	3.18	336	326	2.93	Campbellsburg.....	3.91	411	393	3.44
Chrisney.....	3.18	337	420	3.92	Pekin (Pierce Twp.).....	3.91	412	347	3.07
Winslow.....	3.18	338	379	3.28	Oakland City.....	3.96	413	391	3.40
Center Point.....	3.19	339	362	3.15	Elizabeth.....	3.98	414	414	3.70
Francesville.....	3.19	340	184	2.30	Ft. Branch.....	3.99	415	324	2.90
Dublin.....	3.19	341	357	3.12	Crothersville.....	4.00	416	399	3.50
Lanesville.....	3.20	342	415	3.71	Knightsville.....	4.06	417	412	3.68
Osgood.....	3.24	343	405	3.59	Livonia.....	4.08	418	340	3.00
St. Leon.....	3.25	344	360	3.14	Vernon.....	4.10	419	383½	3.34
Petersburg.....	3.27	345	416	3.73	Scottsburg.....	4.13	420	388	3.38
alem.....	3.27	346	294	2.74	Thorntown.....	4.16	421	421	3.96
Markle (Wells Co.).....	3.28	347	20	1.60	Shoals.....	4.16	422	427	4.63
Birdseye.....	3.28	348	332	2.95	Pekin (Polk Twp.).....	4.20	423	350	3.09
Port Fulton.....	3.29	349	331	2.95	Leavenworth.....	4.22	424	417	3.75
Westport.....	3.30	350	327	2.94	Ooltic.....	4.24	425	424	4.24
Crandall.....	3.30	351			Alton.....	4.33	426	342	3.03
Morgantown.....	3.30	352	363	3.16	West Shoals.....	4.39	427	428	4.73
East Modoc.....	3.30	353	139	2.12	Carbon.....	4.42	428	409	3.64
Moores Hill.....	3.35	354	346	3.05	Marengo.....	4.43	429	425	4.27
Rockville.....	3.36	355	345	3.04	Nashville.....	4.56	430	426	4.49
Milltown					Newburgh.....	4.58	431	422	4.13
(Harrison Co.).....	3.38	356	431	3.70	Milltown				
Brownstown.....	3.38	357	404	3.58	(Crawford Co.).....	4.65	432	402	3.55
Argos.....	3.38	358	364	3.16	English.....	5.11	433	423	4.14

Note: _Name in () means township, except where county is indicated.

STEAM RAILROADS

Final Assessment of Railroad Track, Rolling Stock and Improvements on Right of Way of Steam Railroads, in the State of Indiana, for the Year 1922 as Valued and Equalized by the State Board of Tax Commissioners

RAILROADS	FIRST MAIN			SECOND MAIN			SIDE TRACK			ROLLING STOCK			Improve-ments of Right of Way	Total of Roads
	Miles	Per Mile		Total	Miles	Per Mile		Total	Miles	Per Mile		Total		
Baltimore & Ohio & Chicago.....	146.60	\$100,000	\$14,660,000	146.60	\$22,000	\$3,225,200	116.70	10,000	\$1,167,000	146.60	\$14,000	\$2,052,400	\$296,080	\$21,400,680
Baltimore & Ohio, Chicago Terminal.....	9.89	130,000	1,285,700	.19	30,000	5,700	26.97	10,000	269,700	9.89	12,000	118,680	52,800	1,732,580
Baltimore & Ohio Southwestern Main Line.....	169.22	49,000	8,291,780	17.07	17,500	298,725	110.27	6,500	716,755	169.22	7,000	1,184,540	162,250	10,654,050
Bedford Branch.....	10.84	10,000	108,400				3.34	6,500	21,710	10.84	2,500	27,100		157,210
Louisville Sub Division.....	60.96	49,000	2,987,040				14.59	6,500	94,835	60.96	7,700	469,392	4,825	3,556,092
Bedford & Waller R'way Co.....	2.94	3,000	8,820				.67	3,000	2,010	2.94	1,000	2,940		13,770
Central Indiana Railway.....	117.69	4,000	470,760				23.85	1,000	23,850	117.69	400	47,076	20,470	
C.I. over P.C.C. & St.L. Vandalia.....										9.43	400	3,772		565,928
Central R. R. of Indianapolis.....							1.96	13,000	25,480					25,480
Chesapeake & Ohio Ry. Co. of Indiana.....	227.57	30,000	6,827,100				63.98	10,000	639,800	227.57	5,000	1,137,850	269,575	8,887,375
C. & O. over Chicago & Erie.....	160.17	80,000	12,813,600	153.57	18,000	2,764,260	116.86	9,000	1,051,740	160.17	7,600	1,217,292	234,311	18,081,203
Chicago & Erie Railway Co.....	118.93	1,500	178,395				42.01	1,000	42,010				11,820	232,225
Chicago & Indiana Coal Railway—Brazil Division.....	45.88	1,500	68,820				4.75	1,000	4,750				3,180	76,750
La Crosse Branch.....														
Chicago & Eastern Illinois—Freeland Branch.....	1.97	20,000	39,400				.75	5,000	3,750	1.97	4,000	7,880	410	51,440
Judyville Branch.....	7.60	20,000	152,000				.91	5,000	4,550	7.60	4,000	30,400	615	187,565
Brazil Branch.....	12.61	30,000	378,300				11.03	7,000	77,210	12.61	10,000	126,100	1,100	582,710
Terre Haute Division.....	43.25	100,000	4,325,000	34.15	30,000	1,024,500	96.33	10,000	963,300	43.25	15,000	648,750	96,005	
Terre Haute Div. over Vandalia.....							6.10	3,000	18,300					7,075,855
Evansville Division.....	108.76	60,000	6,525,600	1.65	25,000	41,250	123.26	10,000	1,232,600	108.76	15,000	1,631,400	293,010	9,723,860
Mt. Vernon Branch.....	36.82	16,000	589,120				7.31	5,000	36,550				6,930	816,700
Evansville Belt.....	3.77	70,000	263,900				8.57	12,000	102,840				15,425	408,555

RAILROADS	FIRST MAIN			SECOND MAIN			SIDE TRACK			ROLLING STOCK			Improvements of Right Way	Total of Roads
	Miles	Per Mile	Total	Miles	Per Mile	Total	Miles	Per Mile	Total	Miles	Per Mile	Total		
Chicago, Indpls. & Louisville Ry.														
Co.—Main Line	391.20	58,000	22,689,600										699,070	
C.I. & L. over I.E. & W. & I.U.							214.45	7,000	1,501,150	391.20	7,500	2,934,000		
C.I. & L. over Ky. & Ind. Term.											1.76	3,000	5,280	
C.I. & L. over Illinois Central											.38	3,000	1,140	
C.I. & L. over C.T.H. & S.E.											10.00	3,000	30,000	
Michigan City Division	59.60	15,000	894,000								1.34	3,000	4,020	
Bedford & Bloomfield Division	40.29	10,000	402,900				20.45	5,000	102,250	59.60	2,500	149,000		27,864,260
Indpls. & Louisville Ry. Div.	64.17	15,000	962,550				9.90	3,000	29,700	40.29	2,500	100,725	8,160	1,145,250
Indiana Stone R. R. Division	9.22	15,000	138,300				33.40	5,000	167,000	64.17	2,500	160,425	20,075	541,485
Orleans, West Baden & French Lick Branch	17.70	35,000	619,500				6.83	3,000	20,490	9.22	2,500	23,050	650	1,310,050
Chicago & Wabash Valley Div.	35.95	7,000	251,650				5.49	6,000	32,940	17.70	5,000	88,500	29,275	182,490
Chicago, Lake Shore & Eastern Ry. Co.	13.33	200,000	2,666,000	12.14	50,000	607,000	3.27	2,500	8,175	35.95	1,000	35,950	2,080	770,215
C.I.S. & E. over I.H. Belt							306.98	12,000	3,683,760	13.33	33,500	446,555		297,855
C.I.S. & E. over C. & E. I.											33.78	15,000	506,700	
C.I.S. & E. over N.Y.C. Main											6.38	15,000	95,700	
C.I.S. & E. over Danville Div.														
N. Y. C.											5.93	15,000	88,950	
C.I.S. & E. over E.J. & E.											12.46	15,000	186,900	
C.I.S. & E. over Michigan Cent.											1.41	15,000	21,150	
Elgin, Joliet & Eastern Ry. Co.	41.87	127,000	5,317,490	10.63	30,000	318,900	30.21	12,000	362,520	41.87	15,000	628,050	28,145	8,589,795
E.J. & E. over Chicago & Erie	8.07	100,000	807,000				4.95	10,000	49,500		42	10,000	4,200	6,606,155
Gary & Western Railway														856,500
Chicago, Milwaukee & St. Paul Ry.—Lessee of Chicago, Terre Haute & Southeastern—Main Line	128.93	30,000	3,867,900				113.59	6,000	681,540	128.93	7,000	902,510	220,471	
C. M. & St. P. over Vandalia											.30	2,500	750	
C. M. & St. P. over T. H. Union Depot Co.														
Westport Branch	26.45	15,000	396,750				4.54	5,000	22,700		22	2,500	550	5,673,721
Sullivan Branch	18.50	20,000	370,000				19.85	7,000	138,950	26.45	4,000	105,800		525,250
Chicago Extension	28.44	30,000	853,200				62.03	5,000	310,150	18.50	5,000	92,500		601,450
Ooltie Branch	4.76	20,000	95,200				10.17	5,000	50,550	28.44	5,000	142,200		1,305,550
											4.76	3,000	14,280	160,330

Cincinnati, Indpls. & Western Ry. Co.	78.76	40,000	3,150,400		27.51	6,000	165,060	78.76	6,000	472,560	97,860	
Indianapolis Division.....												
Indpls. Div. over Indpls. Union.....												
Springfield Division.....	75.54	25,000	1,888,500		32.40	5,000	162,000	75.54	3,500	264,390	67,740	3,887,980
Union.....												
Spring Div. over C.C. & St. L.....												
Elwood, Anderson & Lapelle Ry. Co.....	1.42	40,000	56,800		3.44	5,000	17,200	1.42	5,000	7,100	1,980	2,384,710
Evansville & Indpls. Ry. Co.....	133.97	11,700	1,567,449		31.71	3,000	95,130	133.97	550	73,683	14,220	83,080
E. & I. over C.C. & St. L.....												
E. & I. over C. & E. I.....												
Ferdinand Railway Co.....	6.48	5,000	32,400		.20	4,000	800	3.50	500	1,750	205	1,753,482
Ferdinand Ry. Co. over Southern Ry.....								6.48	1,000	6,480		
Grand Rapids & Indiana Ry. Co.....	53.08	40,000	2,123,200		18.05	7,000	126,350	90	1,000	900		40,785
G.R. & I. over C.R. & Ft. W.....								53.08	5,500	291,940	33,765	
G.R. & I. over P.F.W. & C.....								83.76	6,000	514,560		
G.R. & I. over P.C.C. & St. L.....								6.74	2,000	13,480		
Cincinnati, Richmond & Ft. Wayne Ry.....	85.76	40,000	3,430,400		25.45	6,500	165,425	.79	2,000	1,580		3,104,875
Grand Trunk Western Railway Co.....	80.67	85,000	6,856,950	73.65	20,000	10,000	254,700	80.67	12,000	968,040	39,250	3,635,075
Illinois Central Railroad Company.....											143,150	9,695,840
New Harmony Branch.....	6.34	12,000	76,080		1.54	2,500	3,850		2,500	15,850	680	96,460
Peoria Division.....	31.36	35,000	1,097,600		14.09	5,000	70,450	31.36	7,000	219,520	30,560	1,418,130
Rantoul Division.....	8.22	12,000	98,640		.52	2,000	1,040	8.22	1,500	12,330	2,690	114,700
Chicago, St.L. & New Orleans R.R.....												
C.S.L. & N.O. over L. & N. R. R.....					8.53	10,000	85,300				305	
Indianapolis Branch.....	120.43	30,000	3,612,900		39.16	5,000	195,800	10.84	6,000	65,040		150,645
Indpls. Branch over Indpls. Union.....								120.43	4,000	481,720	87,574	
Bloomington Southern R. R. Co.....	9.16	10,000	91,600		2.16	4,000	8,640	18	2,500	450		4,378,444
Indiana Northern Ry. Co.....	.86	30,000	25,800		.68	8,000	5,440	9.16	2,500	22,900		123,140
Indianapolis Union Railway Co.....	1.70	2,700,000	4,590,000		8.40	100,000	840,000	.86	15,000	12,900		44,140
Belt R.R. and Stock Yards Co.....	14.18	150,000	2,127,000	2.26	300,000	678,000		1.70	100,000	170,000	1,033,460	7,311,460
Kentucky & Ind. Terminal R.R. Co.....	.39	500,000	195,000	11.56	50,000	578,000	38.02	14.18	10,000	141,000		3,227,000
Lafayette Union Railway Co.....	6.50	6,000	39,000	.35	200,000	70,000						265,000
Lake Erie & Ft. Wayne R. R. Co.....	.67	50,000	33,500	1.33	15,000	1,500	3,750	.67	5,000	3,350	240	42,750
Louisville Bridge & Terminal Ry. Co.....												57,040
Louisville, Henderson & St. L. Ry. Co. over L. & N. Ry.....												115,500
Louisville & Nashville R. R. Co.....	38.03	50,000	1,901,500	7.51	15,000	9,000	352,770	10.90	5,000	54,500		54,500
					42.53			38.03	9,000	342,270	323,390	3,062,580

STEAM RAILROADS—Continued

RAILROADS	FIRST MAIN			SECOND MAIN			SIDE TRACK			ROLLING STOCK			Improve- ments of Right of Way	Total of Roads	
	Miles	Per Mile	Total	Miles	Per Mile	Total	Miles	Per Mile	Total	Miles	Per Mile	Total			
Louisville, New Albany & Corydon R. R.	7.68	8,000	61,440												
Muncie & Western R. R. Co.	.75	15,000	11,250				1.07	2,000	2,140	7.68	2,000	15,360		7,145	86,085
New Jersey, Indiana & Illinois R.R.	11.32	35,000	396,200				3.23	4,000	12,920					7,850	24,170
New York Central—Main Line.	86.61	185,000	16,022,850				5.80	5,000	29,000	11.32	1,000	11,320	2,338,470	788,570	444,370
Third Main.				86.60	30,000	2,598,000	178.00	12,000	2,136,000						
Fourth Main.				30.89	15,000	463,350									
Air Line.				17.07	15,000	256,050									
Third Main.	65.95	185,000	12,200,750	65.95	30,000	1,978,500	31.03	12,000	372,360	65.95	27,000	1,780,650		48,420	24,603,290
Fourth Main.				17.80	15,000	267,000									
Michigan Branch.				9.67	15,000	145,050									
Elkhart & Western Branch.	14.70	90,000	1,323,000				2.32	6,000	13,920	14.70	15,000	220,500		2,490	16,792,730
Sturgis, Goshen & St. L. Branch	12.10	20,000	242,000				9.08	6,000	54,480	12.10	3,500	42,350		4,850	1,559,910
Ft. Wayne & Jackson R. R.	25.56	15,000	383,400				1.30	5,000	6,500	25.56	2,000	51,120		3,560	343,680
Danville Branch.	53.30	30,000	1,599,000				17.97	6,000	107,820	53.30	4,000	213,200		43,140	444,580
Kankakee Branch.	100.77	60,000	6,046,200		18,000	998,460	147.85	10,000	1,478,500	100.77	12,000	1,209,240		298,480	1,963,160
Michigan Central Connection.	82.16	50,000	4,108,000				32.89	10,000	328,900	82.16	12,000	985,920		21,220	10,030,880
Dune Park Extension.	1.93	15,000	28,950		Industrial Leads		3.27	10,000	32,700	1.93	3,000	5,790		67,440	5,444,040
Indiana Harbor Belt R. R.	16.79	50,000	839,500				14.96	10,000	149,600					3,410	992,510
I.H.B. over Michigan Central				10.66	35,000	373,100									
I.H.B. over E.J. & E.							37.26	15,000	558,900	10.66	10,000	106,600		16,970	
I.H.B. over N.Y. Cen. Dune Pt. Ex.										1.41	3,000	4,230			
I.H.B. over N.Y. Cen. Danv. Div.										2.56	3,000	7,680			
I.H.B. over Gary & Western															
I.H.B. over B. & O.C.T.															
Big Four—Chicago Division.	148.99	82,000	12,217,180	78.35	24,000	1,880,400	158.79	10,000	1,587,900						
Third Main.				4.72	10,000	47,200				4.03	3,000	12,090			
Chicago Div. over B. & O.S.W.										10.01	3,000	30,030			
Chicago Div. over L.&J. Bridge										8.07	3,000	24,210			
Chicago Div. over L.E. & W.										.43	3,000	1,290	1,648,020		1,135,100
Chicago Div. over F.W.C. & L.															
Chicago Div. over Vandalia.										148.99	10,000	1,489,900			
Indianapolis Division.										52.15	3,000	156,450			
St. Louis Division.	84.46	100,000	8,446,000	51.24	25,000	1,281,000	82.83	10,000	828,300	1.21	3,000	3,630			
	79.70	100,000	7,970,000	71.87	25,000	1,796,750	69.00	10,000	690,000	18.58	3,000	55,740			
										.67	3,000	2,010			
										1.25	3,000	3,750			
										84.46	13,200	1,114,872	218,900	218,900	19,092,180
										79.70	13,100	1,044,070	11,889,072	100,885	11,889,072
													1,648,020	11,601,705	11,601,705

Vincennes Branch.....	6.83	30,000	204,900	.....	14	5,000	700	6.83	5,000	34,150	.....	239,750
Cincinnati, Lafayette & Chicago Ry.....	23.81	80,000	1,904,800	.....	7.90	10,000	79,000	23.81	10,000	238,100	6,780	2,381,680
Michigan Division.....	168.18	30,000	5,045,400	.....	62.04	7,000	434,280	168.18	5,500	924,990	152,390	6,557,060
Columbus, Hope & Greensburg R. R. Co.....	24.28	24,000	582,720	.....	4.25	6,000	25,500	24.28	5,000	121,400	3,050	732,670
Evansville, Mt. Carmel & North- ern R. R.....	30.29	24,000	726,960	.....	3.43	5,000	17,150	30.29	3,000	90,870	20,400	855,380
Martinsville Branch.....	38.37	18,000	690,660	.....	5.24	6,000	31,440	38.37	3,000	191,550	6,800	920,750
Lawrenceburg & Aurora Branch R. R. Co.....	6.36	18,000	123,480	.....	8.46	5,000	42,300	6.36	3,000	20,580	4,030	190,390
Louisville & Jeffersonville Bridge & R. R. Co.....	1.21	460,000	556,600	.....	8.23	10,000	82,300	1.21	15,000	18,150	1,050	658,100
Muncie Belt Ry. Co.....	3.11	30,000	93,300	.....	1.44	5,000	17,200	3.11	2,500	7,775	.....	108,975
Springfield Branch.....	74.82	45,000	3,366,900	.....	21.50	10,000	215,000	74.82	6,300	448,920	36,400	4,067,220
Peoria & Eastern Ry. Co.....	78.77	50,000	3,938,500	.....	38.90	10,000	389,000	78.77	6,300	496,251	72,900	4,921,551
Vernon, Greensburg & Rushville R. R. Co.....	44.39	30,000	1,331,700	.....	7.40	6,000	44,400	44.39	221,950	221,950	9,400	1,607,450
White Water Division.....	63.13	15,000	946,950	.....	8.39	6,000	50,340	63.13	5,000	315,650	20,900	1,333,840
Lake Erie & Western R. R. Co. Main Line.....	158.25	35,000	5,538,750	.....	67.73	7,000	474,110	158.25	6,000	949,500	131,230	7,228,890
I. & M. C. Division.....	158.62	35,000	5,551,700	.....	62.31	7,000	436,170	158.62	6,000	951,720	148,980	.....
I. & M. C. Div. over Indpls. Union.....	.....	.....	.....	.....	.....	.....	.....	.79	3,000	2,370	.....	.....
I. & M. C. Div. over Michigan Central.....	.....	.....	.....	.....	.....	.....	.....	.63	3,000	1,890	.....	.....
I. & M. C. Div. over N.Y.C. R. R. Co.....	.....	.....	.....	.....	.....	.....	.....	.63	3,000	1,890	.....	7,094,730
Ft. Wayne, Cincinnati & Louisville R. R. Co.....	104.59	25,000	2,614,750	.....	25.34	4,000	101,360	104.59	5,500	575,245	28,050	.....
Ft.W., C. & L. over P.C.C. & St. L.....	.....	.....	.....	.....	.....	.....	.....	2.23	3,000	6,690	.....	.....
Ft.W., C. & L. over N.Y. Cent. Rushville Branch.....	24.04	15,000	360,600	.....	4.28	5,000	21,400	1.76	3,000	5,280	.....	3,331,375
Michigan Central R. R. Co.....	42.45	140,000	5,943,000	.....	42.20	12,000	506,400	24.04	4,000	96,160	4,260	482,420
M.C. over Michigan Air Line.....	.....	.....	.....	.....	.....	.....	.....	42.45	19,500	827,775	129,260	.....
M.C. over Jol. & No. Ind. M.C. Co.....	.....	.....	.....	.....	.....	.....	.....	5.97	3,000	17,910	.....	.....
M.C. over N.Y.C.(I.S. & M.S.) M.C. Co.....	.....	.....	.....	.....	.....	.....	.....	15.65	3,000	46,950	.....	.....
M.C. over N.Y.C.(C.I. & S.) Joliet & Northern Indiana Michigan Air Line.....	15.65	50,000	782,500	.....	11.59	10,000	115,900	7.72	3,000	5,940	.....	8,755,475
St. Joseph, South Bend & South- ern R. R. Co.....	5.97	28,000	167,160	.....	5.51	6,000	33,060	.....	.....	.....	7,300	905,700
New York, Chicago & St. Louis R. R. Co.....	11.68	20,000	233,600	.....	5.38	5,000	26,900	.....	.....	.....	6,700	206,920
Pere Marquette Ry. Co.—Main Line.....	151.02	85,000	12,836,700	.....	62.28	9,000	560,520	11.68	3,800	44,384	150	305,034
P. M. over N. Y. Central.....	.....	.....	.....	.....	.....	.....	.....	151.02	9,000	1,359,180	113,885	15,034,885
P. M. over E. & O. LaCrosse Branch.....	18.62	90,000	1,675,800	.....	8.05	10,000	80,500	.....	10,000	186,200	12,925	.....
.....	.....	.....	.....	.....	.....	.....	.....	17.89	3,000	53,670	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	8.26	3,000	24,780	.....	2,033,875
.....	34.47	20,000	689,400	.....	8.79	6,000	52,740	34.47	3,000	103,410	12,300	587,860

STEAM RAILROADS—Continued

RAILROADS	FIRST MAIN			SECOND MAIN			SIDE TRACK			ROLLING STOCK			Improve-ments of Right of Way	Total of Roads
	Miles	Per Mile		Total	Miles	Per Mile		Total	Miles	Per Mile		Total		
Pittsburgh, Cincinnati, Chicago & St. Louis R. R. Co.—Columbus Division.	67.90	125,000	8,487,500	44.32	25,000	1,108,000	93.67	12,000	1,124,040	67.90	15,000	1,018,500	556,445	12,294,485
Logansport Division.	182.99	125,000	22,873,750	180.41	25,000	4,510,250	172.54	12,000	2,070,480	182.99	15,000	2,744,850	1,145,705	23,443,385
Logansport Div., Third Main Line.	60.34	30,000	1,810,200	6.49	15,000	97,350	24.16	6,000	144,960	60.34	3,000	181,020	16,490	2,249,470
Effner Branch—Logansport Div.	43.02	20,000	860,400	4.84	20,000	96,800	9.27	6,000	55,620	43.02	3,000	129,060	12,200	1,057,280
Muncie Branch Logansport Div.	110.30	85,000	9,375,500	3.78	20,000	75,600	107.58	10,000	1,075,800	110.30	15,000	1,654,500	72,985	12,259,580
Richmond Division.	108.46	80,000	8,676,800	.29	20,000	5,800	50.87	10,000	508,700	108.46	15,000	1,626,900	478,380	11,277,800
Louisville Division.	1.51	25,000	37,750				.02	7,000	140	1.51	5,000	7,550	265	45,335
Jefferson Branch, Louisville Div.														
New Albany Branch, Louisville Div.	4.61	15,000	69,150				5.14	7,000	35,980	4.61	4,000	18,440	6,205	123,775
Cambridge City Branch, Louis-ville Div.	62.01	25,000	1,550,250				9.56	7,000	66,920	62.01	10,000	620,100	6,890	2,244,160
Madison Branch, Louisville Div.	44.95	30,000	1,348,500				13.99	7,000	97,930	44.94	8,000	359,600	17,110	1,823,140
St. Louis Division.	79.52	100,000	7,952,000	27.51	25,000	687,750	182.47	12,000	2,189,640	79.52	15,000	1,192,800	523,615	12,659,355
St. Louis Div.—Third Main Line.	8.48	20,000	169,600	7.57	15,000	113,550	2.79	3,000	8,370	8.48	3,000	25,440	500	203,910
Center Point Branch, St. L. Div.	115.65	50,000	5,782,500				69.50	6,000	417,000	115.65	6,000	693,900	54,445	6,947,845
Vincennes Division.	12.02	25,000	300,500				28.66	5,000	143,300	12.02	3,000	36,060	500	480,360
Greene Co. Coal Branch, Vin. Div.	182.41	40,000	7,296,400	7.27	20,000	145,400	103.49	6,000	620,940	182.41	6,000	1,094,460	72,855	9,353,625
South Bend Division.														
S Bend Div. over Indpls. & Ft. Butler Branch, Ft. Wayne Div.	92.24	20,000	1,844,800				21.40	5,000	107,000	92.24	3,000	276,720	22,215	2,266,215
Butler Branch, Wash. Div.										5.16	3,000	15,480		
Indianapolis & Frankfort R. R. Co.	41.19	98,000	4,036,620				17.57	11,500	202,055				96,980	4,335,655
Pittsburg, Fort Wayne & Chicago Ry.	153.00	185,000	28,305,000	153.00	29,000	4,437,000	163.36	11,000	1,796,960	153.00	27,000	4,131,000	718,405	39,468,365
P. Ft. W. & C. over So. Chicago & So.							10.00	10,000	100,000	8.00	10,000	80,000	19,665	295,665
South Chicago & Southern Railway Co. of Indiana, Main Line.	8.00	22,000	176,000											
So. Ry. Co. over Ky. & Ind. Ter.	118.28	30,000	3,548,400	2.50	15,000	37,500	60.51	7,000	423,570	118.28	6,000	709,680	181,265	4,906,175
So. Ry. Co. over B. & O. S. W.							.39	3,000	1,170	.06	3,000	180		
So. Ry. Co. over C. I. & L.							1.47	3,000	4,410	1.47	3,000	4,410		
Evansville Branch.	54.22	20,000	1,084,400				22.88	7,000	160,160	54.22	6,000	33,320	27,625	1,597,505

Cannelton Branch.....	22.72	15,000	340,800	.....	3.24	3,000	9,720	22.72	3,000	68,160	3,925	422,605
Rockport Branch.....	16.15	15,000	242,250	.....	1.71	3,000	5,130	16.15	3,000	48,450	700	296,530
Jasper French Lick Line....	24.66	15,000	369,900	.....	2.26	3,000	6,780	24.66	3,000	73,800	3,000	453,660
Syracuse & Milford Ry. Co.....	4.00	3,000	12,000	.....	.....	.....	.....	4.00	500	2,000	1,000	15,000
Toledo, St. Louis & Western R.R. Co.....	171.07	40,000	6,842,800	.....	67.71	6,000	406,260	171.07	5,000	855,350	118,025	8,222,435
Webash R. R. Co., Main Line....	166.20	80,000	13,296,000	.....	92.64	10,000	926,400	166.20	10,000	1,662,000	142,975	16,157,425
Montpelier & Chicago R. R. Co.	139.34	45,000	6,270,300	.....	45.42	7,000	317,940	139.34	7,000	975,380	26,840	.....
M. & C. over B. & O. C. T. ....	.....	.....	.....	.....	.....	.....	.....	5.56	4,000	22,240	.....	.....
Ft. Wayne & Detroit Ry. Co....	30.87	50,000	1,543,500	.....	8.15	7,000	57,050	30.87	7,000	216,090	4,155	7,612,700
Attica, Covington & Southern R. R.	14.47	15,000	217,050	.....	4.38	3,000	13,140	14.47	2,000	28,940	380	259,510
White River R. R. Co. ....	.46	60,000	27,600	.....	1.75	10,000	17,500	.46	6,000	2,760	.....	47,860
Total.....	7,150.77	.....	\$405,966,764	1,392.87	.....	.....	\$41,933,115	7,242.59	.....	\$60,233,672	\$13,062,861	.....
Total (Third Man).....	.....	.....	.....	67.47	.....	.....	988,450	.....	.....	.....	.....	.....
Total (Fourth Man).....	.....	.....	.....	26.74	.....	.....	401,100	.....	.....	.....	.....	.....
GRAND TOTAL.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$557,641,607

RECAPITULATION

	Miles	Total
Main Track.....	7,150.77	\$405,966,764
Second Main Track.....	1,392.87	35,055,465
Third Main Track.....	67.47	988,450
Fourth Main Track.....	26.74	401,100
Side Track.....	4,616.70	41,933,115
Rolling Stock.....	60,233.672	60,233,672
Improvements on Right of Way.....	7,242.59	13,062,861
GRAND TOTAL.....	.....	\$557,641,607

ELECTRIC RAILROADS

Final Assessment of Railroad Track, Rolling Stock and Improvements on Right of Way of Electric Railroads, in the State of Indiana, for the Year 1922, as Valued and Equalized by the State Board of Tax Commissioners

RAILROADS	FIRST MAIN			SECOND MAIN			SIDE TRACK			ROLLING STOCK			Improvements on Right of Way	Total of Roads
	Miles	Total		Miles	Total		Miles	Total		Miles	Total			
		Per Mile	Total		Per Mile	Total		Per Mile	Total		Per Mile	Total		
Beech Grove Traction Co.....	3.94	\$15,000	\$59,100	.05	\$10,000	\$500	.13	\$5,000	\$650	3.94	\$2,000	\$7,880	\$19,200	\$88,530 57,330
B.G. over Indpls. Street.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.40	500	1,200	.....
Broad Ripple Traction Co.....	2.01	27,000	54,270	.21	12,000	2,520	.09	6,000	540	.....	.....	.....	.....
Chicago, Lake Shore & South Bend Ry. Co.....	71.01	24,000	1,704,240	10.68	8,000	\$5,440	6.91	4,000	27,640	71.01	4,000	284,040	\$7,600	2,189,275 2,639,160
C.I.S. & S.B. over C.S.B. & N.I. Ry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.21	1,500	315	.....
Chicago, South Bend & No. Ind. Ry. Co.....	95.74	22,000	2,106,280	11.35	10,000	113,500	15.14	4,000	60,560	95.74	3,000	287,220	71,600	
Cincinnati, Lawrenceburg & Aurora Electric St. R. R.....	9.565	17,000	162,605	9.565	1,000	9,565	360	172,530
Dayton & Western Traction Co.....	1.92	22,000	42,240	.67	10,000	6,700	.36	4,000	1,440	1.92	2,300	4,416	.....
D. & W. Trac. over T.H.I. & E. Evansville & Ohio Valley Ry. Co.....	55.02	10,000	550,200	.....	.....	.....	4.86	3,000	14,580	2.60	300	780	.....
E. & O.V. over So. Ind. Gas. & Elec.....	55.02	1,500	82,530	10,040	55,576
E. & O.V. over Ill. Cent. R. R. Evansville Suburban & Newburg Ry. Co.....	24.36	15,000	365,400	.....	.....	.....	.....	.....	.....	4.96	200	992	.....
Ft. Wayne & Decatur Traction Co.....	19.545	10,000	195,450	2.73	3,500	9,555	24.36	1,800	43,848	42,050		460,853
Ft.W. & D. over Indiana Serv. Corp.....	.....	.....	.....	.....	.....	.....	.47	3,500	1,645	19.545	700	13,681	12,350
Ft. Wayne & Northwestern Ry. Co. Ft.W. & N.W. over Indiana Serv. Corp.....	40.22	15,000	603,300	1.87	5,000	9,350	2.50	700	1,750	35,760	224,876
Ft. Wayne, Van Wert & Lima Tracton Co.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.22	1,500	60,330	.....
F. W., Van Wert & L. Trac. Co. over Ind. Serv. Corp.....	20.45	18,000	368,10035	5,000	1,750	1.00	300	300	30,000		709,040
Gary Connecting Ry. Co., Chas. M. Alford, Jr., Trustee, Owner.....	15.82	9,000	142,380	.....	.....	.....	.....	.....	.....	20.45	3,000	61,350	.....
G. & H. Tr. over Gary St. Ry. G. & H. Tr. over Gary & So. Ry.....	5.03	13,000	65,39017	5,000	850	2.68	300	804	462,004
.....	.....	.....	.....	.....	.....	.....	.10	4,000	400	.....	.....	.....	.....
.....	5.03	1,500	7,545	2,500		145,730
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,250
.....	3,190	82,405
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	630

Gary & Southern Traction Co.	11.31	13,000	147,030	* .77	5,000	3,850	.10	4,000	400	11.31	1,300	14,703	9,000	178,173
G. & S. over Gary St. Ry. Co.										3.19	1,000	3,190		
Gary Street Railway Co.	25.31	40,000	1,012,400	5.58	10,000	55,800	.60	4,000	2,400	25.31	2,500	63,275	32,500	
G. St. Ry. over Gary & So. Trac.										1.63	1,500	2,445		
G. St. Ry. over Amer. S. & T.										1.70	1,500	2,550		1,171,370
Gary & Valparaiso Railway Co.	10.69	20,000	213,800				.08	5,000	400	10.69	4,000	42,760	4,000	
G. & V. Ry. over Chas. M. Alford, Jr., Trustee										15.82	1,200	18,984		279,944
Hammond, Whiting & East Chicago Ry. Co.	20.93	55,000	1,151,150	10.08	20,000	201,600	2.69	6,000	16,140	20.93	5,000	104,650	28,000	1,501,540
Indiana Railways & Light Co.	58.81	18,000	1,058,680	1.11	8,000	8,880	3.20	5,000	16,000	58.81	2,000	117,620	66,980	1,208,000
Indiana Service Corporation	167.46	22,000	3,684,120	10.98	10,000	109,800	15.87	5,000	79,350	167.46	2,500	418,625	222,325	4,514,245
Indianapolis & Cincinnati Trac. Co.	101.38	15,000	1,520,700	3.75	10,000	37,500	5.15	5,000	25,750	101.38	1,500	152,070	97,250	
I.C. Trac. over Indpls. St. Ry.										3.005	300	901		1,834,171
Indianapolis & Louisville Trac. Co.	40.67	19,000	772,730	.23	10,000	2,300	1.65	4,000	6,600	40.67	2,500	101,675	30,255	
I. & L. Trac. Co. over Interstate Pub. Ry.										98.59	2,500	246,475		
I. & L. Trac. Co. over Indpls. St. Ry.										3.49	2,500	8,725		
I. & L. Trac. Co. over K. & I. Term.										.35	2,500	875		
I. & L. Trac. Co. over L. & J. Bridge										.20	2,500	500		1,170,135
Indianapolis, New Castle & Eastern Traction Co.	58.72	12,500	734,000				2.81	5,000	14,050	58.72	1,500	88,080	32,070	
Indpls. New Castle & East. over Indpls. Street Railway Co.										2.09	300	627		808,827
I. St. Ry. over Broad Ripple Trac.	81.74	112,500	9,195,750	63.33	30,000	1,899,900	15.17	5,000	75,850	81.74	15,000	1,226,100	622,330	
Interstate Public Service Co.	98.59	30,000	2,957,700	4.78	10,000	47,800	7.77	5,000	38,850	2.01	2,000	4,020		13,023,950
Lafayette Street Railway Co.	12.93	3,000	38,790	1.06	2,500	2,650	1.20	2,000	2,400				133,125	3,177,475
Lebanon-Thorntown Traction Co.	9.33	9,000	83,970				.05	1,000	50	9.33	1,000	9,330	200	43,840
L. Tr. Co. over T.H.I. & E. Tr. Co.										.57	300	171		93,721
Marion & Bluffton Trac. Co.	31.84	12,500	398,000				1.59	5,000	7,950	31.84	1,500	47,760	18,975	472,685
Muncie & Portland Trac. Co.	30.59	12,500	382,375				.80	5,000	4,900	30.59	1,500	45,885	23,800	
M. & P. Tr. over Union Traction										1.10	300	330		456,480
Southern Indiana Gas & Electric Co.	57.41	35,000	2,009,350	9.37	10,000	93,700	2.85	4,000	11,400	57.41	5,000	287,050	36,710	2,438,210
Southern Michigan Railway Co.	5.05	24,000	121,200				.44	5,000	2,200	5.05	3,000	15,150	600	
So. M. Ry. Co. over C.S.B. & N.I. Ry.										.74	300	222		139,372
Tenn. Haute, Indpls. & Eastern Trac.	388.11	22,000	8,538,420	13.01	10,000	130,100	19.29	4,000	77,160	388.11	2,300	892,653	827,530	
T.H.I. & E. Ry. over Indpls. St. T.H.I. & E. Ry. over Ft. W. & Northwestern										20.55	300	6,165		
										1.88	300	564		10,472,592

ELECTRIC RAILROADS—Continued

RAILROADS	FIRST MAIN		SECOND MAIN		SIDE TRACK		ROLLING STOCK		Improvements of Right of Way	Total of Roads
	Miles	Per Mile	Total	Miles	Per Mile	Total	Miles	Per Mile		
Union Traction Co. of Indiana.	329.27	22,000	7,243,940	10.15	10,000	101,500	22.11	4,000	88,440	757,321
U.T. Co. over Indpls. St. Ry. Co.								7.05	300	2,115
U.T. Co. over Indiana Service Corp.										
Vincennes Traction Co.	4.45	12,000	53,400					3.19	300	957
Washington Street Railway Co.	2.60	10,000	26,000	1.29	3,000	3,870	.37	4.45	1,000	4,450
Winona Interurban Ry. Co. (Rec.)	65.88	12,000	790,560				.15	2.60	1,500	3,900
W.I. Ry. Co. over C.S.B. & N.I.							2.95	4,000	11,800	98,820
W.I. Ry. Co. over Union Trac. Co.								1.40	300	420
Winona & Warsaw Ry. Co. (Receivers)	2.83	15,000	42,450				.92	.30	300	90
Totals	1,980.53		\$48,595,370	158.45		\$2,907,910	140.99	2.83	2,000	5,660
									\$614,620	\$5,671,250
										\$2,913,620
										\$80,702,770

RECAPITULATION

	Miles	Total
Main Track	1,980.53	\$48,595,370
Second Main Track	158.45	2,907,910
Side Track	140.99	614,620
Rolling Stock	2,042.485	5,671,250
Improvements on Right of Way		2,913,620
GRAND TOTAL		\$80,702,770

TELEPHONE COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive
of Real Estate, Structures, Machinery, Fixtures, and Appliances
Subject to Local Taxation) of Telephone Companies
for the Year 1922 as Fixed by the State Board
of Tax Commissioners.

Adams & Jay Telephone Company.....	\$1,935 00
Advance Telephone Company of Advance.....	15,850 00
Advance Telephone Company of Evansville.....	910 00
Advance Telephone Company of Winchester.....	3,500 00
Akers Telephone Company	26,785 00
Akron Telephone Company	29,925 00
Alamo Co-operative Telephone Company	3,300 00
Alberring Telephone Company	700 00
Alert Telephone Company	2,750 00
Argos Telephone Company	34,743 00
Alexandria Telephone Company	10,509 00
Alfont Telephone Company	288 00
Allentown Telephone Company	330 00
A. & G. Telephone Company.....	3,300 00
Amboy Home Telephone Company.....	21,780 00
Antwerp Telephone Company	1,440 00
Arcadia Telephone Company	18,600 00
Arlington Telephone Company	9,936 00
Aroma Farmers Telephone Company.....	9,780 00
Art Mutual Telephone Company.....	780 00
Atlanta Telephone Company	15,250 00
Attica Telephone Company	56,801 00
Avery Co-operative Telephone Company.....	5,909 00
Avilla Mutual Telephone Company.....	19,360 00
Azalia Telephone Company	1,650 00
Bainbridge Telephone Company	1,800 00
Bakers Corner-Horton Telephone Company.....	7,450 00
Banner Telephone Company	480 00
Barton-Stacer Telephone Company	2,000 00
Batesville Telephone Company	20,120 00
Battleground Telephone Company	8,910 00
Baumgartner Telephone Company	156 00
Beech Grove Farmers Telephone Company.....	450 00
Beech Valley Rural Telephone Company.....	450 00
Bellmore & Mansfield Citizens Telephone Company.....	1,960 00
B. & N. Telephone Company.....	9,120 00
Bell Mutual Telephone Company.....	450 00
Bengal Co-operative Telephone Company.....	765 00
Bethlehem Telephone Company	540 00
Boone Township Telephone Company.....	1,110 00
Big Creek & Marble Corner Telephone Company.....	280 00
Big Spring Telephone Company.....	9,600 00
Bingen Farmers Telephone Company.....	1,200 00

Bippus Telephone Company	15,300 00
Blue Top Telephone Company.....	1,280 00
Blue River Telephone Company.....	575 00
Blue River Valley Telephone Company.....	1,500 00
Blue Ridge Telephone Company.....	2,925 00
Bristol Telephone Company	8,280 00
Bremen Home Telephone Company.....	30,940 00
Brookville Telephone Company	54,180 00
Brookville & Oldenburg Telephone Company.....	2,688 00
Brownsville Telephone Company	5,456 00
Brown's Chapel Telephone Company.....	450 00
Butlerville & Benville Telephone Company.....	640 00
Burlington Telephone Company	4,560 00
Burns City Co-operative Telephone Company.....	5,400 00
Burrows Telephone Company	11,790 00
Butlerville, Hyde & San Jacinto Telephone Company.....	700 00
Butler Telephone Company	44,400 00
Byron Telephone Company	1,232 00
Carroll Telephone Company	47,800 00
Cadiz Harrison Township Co-operative Telephone Com- pany	3,190 00
Cadwallader Telephone Company	27,239 00
Calvertville Telephone Company	3,000 00
Camden Co-operative Telephone Company.....	17,200 00
Carlisle Co-operative Telephone Company.....	19,600 00
Carrollton Telephone Company.....	2,250 00
Cartersburg Telephone Company	1,200 00
Castleton Telephone Company	1,800 00
Cates Telephone Company	6,985 00
Cayuga Telephone Company	13,200 00
Center Point Telephone Company.....	2,340 00
Centerville, Co-operative Telephone Company.....	15,000 00
Center Telephone Company	5,748 00
Central Mutual Telephone Company.....	36,960 00
Central Telephone Company	1,020 00
Central Indiana Telephone Company.....	24,000 00
Churubusco Telephone Company	33,000 00
Chalmers Telephone Company	15,400 00
Chandler Telephone Company	6,660 00
Charlottesville Northern Telephone Company.....	500 00
Cherryvale Mutual Telephone Company.....	2,000 00
Chesterfield Telephone Company.....	3,000 00
Cicero Telephone Company	14,135 00
Cincinnati & Suburban Bell Telephone Company.....	6,176 00
Citizens Co-operative Telephone Company of Kempton...	19,200 00
Citizens Co-operative Telephone Company of Russellville..	7,560 00
Citizens Independent Telephone Company.....	1,265,892 00
Citizens Mutual Telephone Company of Cortland.....	11,620 00
Citizens Mutual Telephone Company of Cory.....	2,380 00
Citizens Mutual Telephone Company, Newport.....	8,500 00

Citizens Mutual Telephone Company of St. Bernice.....	8,520 00
Citizens Telephone Company of Dunkirk.....	33,390 00
Citizens Mutual Telephone Company of Dana.....	10,200 00
Citizens Telephone Company of Brazil.....	203,886 00
Citizens Telephone Company of White County.....	7,600 00
Citizens Telephone Company of Cambridge.....	140,000 00
Citizens Telephone Company of Columbus.....	122,470 00
Citizens Telephone Company of Decatur	136,285 00
Citizens Telephone Company of Edinburg.....	46,284 00
Citizens Telephone Company of Fairmount.....	48,308 00
Citizens Telephone Company of Macy.....	23,472 00
Citizens Telephone Company of Marshall.....	13,250 00
Citizens Telephone Company of Upland.....	14,752 00
Citizens Telephone Company of Willow Branch.....	45 40
Citizens Telephone Company of Zionsville.....	22,516 00
Clarksville Telephone Company	3,120 00
Clay City & Bowling Green Telephone Company.....	468 00
Clay City Mutual Telephone Company.....	980 00
Clay City & Patricksburg via Smithville Telephone Com- pany	546 00
Clay City & Prairie Telephone Company.....	320 00
Clay City & Bowling Green via Smithville Telephone Com- pany	585 00
Clay City & Lewis Telephone Company.....	118 00
Cleveland Telephone Company	280 00
Cloverdale Telephone Company	4,125 00
Coatesville Telephone Exchange Company.....	6,000 00
Coffman Heller Telephone Company.....	400 00
College Corner Telephone Company of College Corner....	27,200 00
College Corner Telephone Company of Greenfield.....	550 00
Columbia Telephone Company	1,412 00
Commercial Telephone Company	105,600 00
Commonwealth Telephone Company	720 00
Connersville Telephone Company	144,768 00
Consolidated Telephone Company	124,685 00
Converse Consolidated Telephone Company.....	33,280 00
Co-operative Telephone Company	33,245 00
Corunna Telephone Company	7,840 00
Cowan Rural Telephone Company.....	4,000 00
Craigsville Telephone Company	13,500 00
Crown Point Telephone Company.....	52,912 00
Cutler Co-operative Telephone Company.....	9,120 00
Cyclone Co-operative Telephone Company.....	4,000 00
Cynthiana Telephone Company	1,612 00
Cypress Telephone Company	5,130 00
Daleville Telephone Company	9,550 00
Darmstadt Telephone Company	4,000 00
Darlington Telephone Company	27,000 00
Decatur County Independent Telephone Company.....	111,100 00
Deer Creek Co-operative Telephone Company.....	8,640 00

Delaney's Creek Telephone Company.....	700 00
Denver Co-operative Telephone Company.....	4,960 00
Denmark Telephone Company	253 00
Diamond Telephone Company	360 00
Disko & Laketon Telephone Company.....	24,674 00
Dixon Telephone Exchange	30,000 00
Domestic Telephone Company	1,470 00
Dubois County Telephone Company.....	131,000 00
Dugger Mutual Telephone Company.....	16,200 00
Dunlaps Mutual Telephone Company.....	20,527 00
Dupont & Lovett Telephone Company.....	560 00
Dupont, San Jacinto & Marble Corner Telephone Company	270 00
Dupont Telephone Company	1,250 00
Earl Park Telephone Exchange.....	12,650 00
Eastern Indiana Telephone Company.....	241,413 00
Eckerty, Branchville & Cannelton Telephone Company....	11,160 00
J. C. Eckhart Telephone Company.....	18,396 00
Edwardsport Telephone Exchange	4,400 00
Eel River Telephone Company.....	67,200 00
Eighty-six Telephone Company	176 00
Ekin Mutual Telephone Company.....	11,680 00
Elberfeld & Millersburg Telephone Company.....	500 00
Elizaville Telephone Company	7,150 00
Elkhart County Telephone Company.....	31,735 00
Ellettsville Western Telephone Company.....	800 00
Elnora Co-operative Telephone Company.....	2,100 00
Emporia & Anderson Telephone Company.....	1,960 00
Eureka Telephone Company	40,500 00
Excelsior Telephone Company	2,400 00
Extra Telephone Company	455 00
Farmers Co-operative Telephone Company.....	52,708 00
Farmers Independent Mutual Telephone Company.....	No assessment
Farmers Mutual Telephone Company of Clay City.....	39 00
Farmers Mutual Telephone Company of Columbia City...	85,400 00
Farmers Mutual Telephone Company of Dale.....	1,800 00
Farmers Mutual Telephone Company of Geneva.....	520 00
Farmers Mutual Telephone Company of Patriot.....	3,600 00
Farmers Telephone Company of Spencer.....	2,000 00
Farmers Union Telephone Company of Borden.....	3,825 00
Farmer Mutual Telephone Company of East Enterprise..	4,074 00
Farmers Telephone Exchange of Sunman.....	4,130 00
Farmers Telephone Company of Washington County....	1,375 00
Fishers & Oaklandon Telephone Company of Fishers.....	420 00
Fishers Telephone Company of Fishers.....	4,550 00
Farmers Mutual Telephone Company of Cross Plains....	3,000 00
Farmers & Citizens Telephone Company of Frankton....	20,000 00
Farmers Mutual Telephone Company of Bear Branch....	2,970 00
Falmouth Mutual Telephone Company.....	12,600 00
Fairbanks Telephone Company.....	7,500 00
Farmers Metropolitan Telephone Company of Palmyra....	5,160 00

Farmers White Line Telephone Company of Mt. Comfort..	240 00
Farmers Mutual Telephone Company of Millersburg.....	12,600 00
Farmers Mutual Central Telephone Company of Belle- view of Madison.....	3,480 00
Fairview Telephone Company.....	770 00
Farmersburg Telephone Company.....	15,750 00
Farmers Mutual Telephone Company of Rexville of Versailles	2,100 00
Farmers Rural Telephone Company of Summitville.....	1,360 00
Farmers Telephone Company of Winchester.....	30,380 00
Farmers Mutual Telephone Company of Vevay.....	3,040 00
Farmers & Merchants Co-operative Telephone Company of Boswell	28,503 00
Fountain Telephone Company.....	31,500 00
Flora Telephone Company.....	40,800 00
Forest Telephone Company	9,000 00
Fortville Telephone Company.....	12,410 00
Four Corners Mutual Telephone Company.....	1,785 00
Franklin Telephone Company	110,250 00
Freelandville Telephone Company	6,187 00
Fulton Telephone Company	14,900 00
Flint-Kyle Telephone Company	19,980 00
The Garrett Telephone Company.....	76,660 00
Gaston Home Telephone Company.....	24,540 00
Geetingsville Telephone Company	5,050 00
Gem Telephone Company	360 00
Georgetown Telephone Company	1,500 00
Gilboa Telephone Company	400 00
German Telephone Company	630 00
Germany Mutual Telephone Company.....	3,610 00
Geneva Telephone Company	10,560 00
Goldsmith Co-operative Telephone Company.....	7,418 00
J. R. Goyer Telephone Company.....	195 00
Greenleaf Bridge Mutual Telephone Company.....	392 00
Greenfield Telephone Company	55,593 00
Greene County Telephone Company.....	28,350 00
Grayford & San Jacinto Telephone Company.....	240 00
Grassy Creek Mutual Telephone Company.....	390 00
Greencastle & Bell Union Telephone Company.....	960 00
Greencastle Telephone Company	49,225 00
Greentown Telephone Company	20,400 00
Greensfork Co-operative Telephone Company.....	18,000 00
Harmony Telephone Company	3,000 00
Harrison Township Telephone Company.....	5,838 00
Harrison County Farmers Telephone Company.....	2,500 00
Haubstadt Telephone Exchange System.....	350 00
Harrison County Telephone Company.....	12,600 00
Hazleton Telephone Company	6,600 00
Hazelwood & Clayton Telephone Company.....	10,680 00
Hazelrigg Mutual Telephone Company.....	5,970 00

Harrison Telephone Company of Harrison, Ohio.....	4,680 00
Harristown Telephone Company.....	780 00
Harrison County Farmers Telephone Company.....	3,000 00
Harlan Telephone Company	9,100 00
Hallack Telephone Company	1,450 00
Hebron Telephone Company	17,760 00
Highland Telephone Company	320 00
Hicksville Telephone Company	4,650 00
Hoosier Telephone Company	66,125 00
Home Telephone Company of Noblesville.....	55,488 00
Home Telephone Company of Wabash.....	171,497 00
Hymera Telephone Company	8,990 00
Honey Creek Mutual Telephone Company.....	10,650 00
Home Telephone Company of Warren.....	400 00
Home Telephone Company of Portland.....	111,150 00
Home Telephone Company of Pittsboro.....	5,500 00
Home Mutual Telephone Company of Stony Point.....	60,830 00
Home Telephone Company of Bloomingdale.....	2,000 00
Holton Telephone Exchange Company.....	750 00
Hollandsburg Home Telephone Company.....	2,800 00
Holland Telephone Company	4,000 00
Hoagland Telephone Company	720 00
Hoadley Telephone Company	4,446 00
Home Telephone & Telegraph Company.....	1,277,610 00
Hope Independent Telephone Company.....	45,360 00
Home Telephone Company of Hancock County.....	375 00
The Home Telephone Company of Elkhart County.....	399,300 00
Huntertown Telephone Company	10,200 00
Indiana Bell Telephone Company.....	19,702,600 00
Indiana Telephone & Telegraph Company.....	103,600 00
Irvine Telephone Company	1,500 00
Inwood Telephone Company	4,200 00
Indiana Central Telephone Company.....	500 00
Illinois Bell Telephone Company.....	2,609,009 00
Idaville Co-operative Telephone Company.....	5,475 00
Independent Ten Telephone Company.....	440 00
Independent Telephone Company	4,000 00
Ingalls Telephone Company	4,801 50
Independent Long Distance Tel. & Tel. Company.....	98,770 00
Jackson County Mutual Telephone Company.....	1,250 00
Johnson's Fork & Rockdale Telephone Company.....	2,365 00
Johnson Telephone Company	400 00
Jefferson Co-operative Telephone Company.....	2,750 00
Jasper County Telephone Company.....	55,385 00
Jackson Township Telephone Company.....	2,100 00
Judson Telephone Company	3,300 00
Kansas Telephone Company	420 00
Kassuth Telephone Company	1,700 00
Kinlock Long Distance Telephone Company.....	8,750 00
Kingman Telephone Company	6,120 00

Kirby Telephone Company	900 00
Leora Kirk Telephone Exchange.....	284 00
Kirklin Telephone Company	16,500 00
Kirkpatrick Telephone Company	2,595 00
Kirksville Telephone Company	8,050 00
Knightstown Telephone Company	46,506 00
Klondike Telephone Exchange	19,500 00
Lebanon Telephone Company	105,417 00
Lapaz & Lakeville Home Telephone Company.....	18,000 00
Laurel Telephone Company	3,100 00
Landesville Rural Telephone Company.....	4,200 00
Lawrence Telephone Company	4,600 00
Linton Telephone Company	8,085 00
Linden Telephone Company	15,726 00
Ligonier Telephone Company	29,700 00
Liberty Telephone Company	70,482 00
Lewis Telephone Company	7,770 00
Leisure Telephone Company	7,380 00
Lizton Mutual Telephone Company.....	2,100 00
Laporte Telephone Company	355,865 00
Lapel Telephone Company	10,200 00
Lagro-Andrews Telephone Company	32,775 00
LaFontaine Telephone Company	34,300 00
Lafayette Telephone Company	500,185 00
Ladoga Telephone Company	35,200 00
Lancaster & Monroe Townships Independent Telephone Company	2,000 00
Lewis Creek Telephone Company.....	2,400 00
Liberty Center Telephone Company.....	12,640 00
Leiter's Ford Telephone Company.....	6,825 00
Louisville Home Telephone Company.....	761,660 00
Lost Creek Mutual Telephone Company.....	595 00
Loogootee Telephone Company	13,770 00
London Telephone Company	4,400 00
Logansport Home Telephone Company	345,450 00
Locust Grove Telephone Company.....	440 00
Local Union Telephone Company.....	1,400 00
Lochiel Telephone Company	3,600 00
Lyons Co-operative Telephone Company of Marco.....	2,100 00
Lyons Co-operative Telephone Company of Switz City....	750 00
Lyons Co-operative Telephone Company of Lyons.....	10,550 00
Martinsville Telephone Company	81,124 00
Madison Telephone Company	60,605 00
Majenica Telephone Company	53,865 00
Marrs Township Telephone Company.....	2,240 00
Martin Telephone Company	540 00
Markleville Co-operative Telephone Company.....	3,000 00
Mathews Telephone Company	7,300 00
Marietta Telephone Company	17,132 00
Mace Telephone Company	5,355 00

The Maxwell Telephone Company.....	2,100 00
Max Co-operative Telephone Company.....	1,620 00
Maumee Telephone Company	600 00
McCarter Telephone Company	4,035 00
McCordsville Telephone Company	2,025 00
Merchants & Farmers Telephone Company.....	10,500 00
Merchants Mutual Telephone Company.....	191,235 00
Middletown Telephone Company	24,187 00
Mill Creek Telephone Company.....	1,800 00
Millville Telephone Company	7,200 00
Milligan Telephone Company	3,000 00
Michigantown Co-operative Telephone Company.....	12,910 00
Mexico Home Telephone Company.....	3,150 00
Mellott Telephone Company	6,656 00
Menden Telephone Company	420 00
Medaryville Telephone Company	10,527 00
Mitchell Telephone Company	43,785 00
Mt. Summit Rural Telephone Company.....	3,900 00
Mohawk Telephone Company	4,370 00
Mooreville Telephone Company	22,110 00
Mt. Lebanon Telephone Company.....	450 00
Morocco Telephone Company	24,750 00
Mount Ayr Telephone Company.....	7,936 00
Mt. Lion Telephone Company.....	10,000 00
Moran Telephone Company	6,000 00
Moore's Hill Telephone Company.....	200 00
Monroeville Telephone Company	41,058 00
Mongo Mutual Telephone Company.....	3,190 00
Monticello Telephone Company	79,500 00
Mt. Comfort Telephone Company.....	2,800 00
Morgantown Telephone Company	9,744 00
Mooreland Rural Telephone Company.....	14,190 00
Monrovia Mutual Telephone Company.....	5,250 00
Monon Telephone Company	22,207 00
Modoc Telephone Company	22,165 00
Morris & Coopridge Telephone Company.....	50 00
Mt. Zion Telephone Company.....	273 00
Mutual Telephone Company of Shipshewana.....	9,339 00
Mutual Telephone Company of Crandall.....	1,925 00
New Home Telephone Company.....	135,800 00
New Ross Co-operative Telephone Company.....	1,197 00
New Washington Telephone Company.....	11,275 00
Northwestern Indiana Telephone Company.....	222,089 00
LaGrange County Telephone Company.....	109,412 00
Newark Telephone Company	3,500 00
New Home Telephone Company of Grabill.....	13,750 00
Napoleon Telephone Company	1,360 00
Nappanee Telephone Company	46,340 00
Needmore Telephone Company	3,250 00
Newberry Co-operative Telephone Company.....	1,440 00

New Brunswick Citizens Telephone Company.....	6,780 00
New Corydon Telephone Company.....	1,260 00
New Dillsboro Telephone Company.....	1,300 00
New Eden Telephone Company.....	3,000 00
New Lebanon Mutual Telephone Company.....	6,080 00
New Lisbon Telephone Company.....	16,200 00
New London Co-operative Telephone Company.....	6,820 00
New Market Co-operative Telephone Company.....	15,000 00
New Maysville Telephone Exchange.....	630 00
New Marion, Rexville & Goff Telephone Company.....	300 00
New Palestine Telephone Company.....	6,100 00
New Paris Mutual Telephone Union.....	15,600 00
New Salem Telephone Company.....	6,875 00
New Winchester Farmers' Mutual Telephone Company...	2,340 00
Newtown Telephone Company	5,700 00
Newton & Jasper Counties Telephone Company.....	24,800 00
New Richmond Telephone Company.....	9,975 00
Nine Mile Telephone Company.....	9,600 00
Noble County Telephone Company.....	49,040 00
Noblesville & Ohio Telephone Company.....	1,200 00
North Manchester Telephone Company.....	14,340 00
Norton, Iuka & French Lick Telephone Company.....	320 00
North Judson Telephone Company.....	21,800 00
Oaktown Telephone Company	12,250 00
The Ohio River Telephone Company.....	54,985 00
Orestes Telephone Company	4,125 00
Otterbein Telephone Company	29,370 00
Oakdam Stub Line Telephone Company.....	350 00
Owensburg Co-operative Telephone Company.....	750 00
Owensville Independent Telephone Company.....	3,500 00
Oaklandon Western Telephone Company.....	1,200 00
Oxford Telephone Company	24,180 00
Oaklandon Rural Telephone Company.....	400 00
Osgood Telephone Company	12,000 00
Odon & Madison Township Telephone Company.....	7,656 00
Oakland City Telephone Company.....	17,000 00
Orange Mutual Telephone Company.....	10,395 00
The Ohio Bell Telephone Company.....	8,600 00
People's Mutual Telephone Company.....	14,800 00
Peoples Co-operative Telephone Company.....	2,975 00
Paoli, Unionville & English Telephone Company.....	300 00
Palmyra Independent Telephone Company.....	7,800 00
Parkersburg Telephone Company	1,800 00
Parke County Telephone Company.....	85,950 00
Paxton Telephone Company	2,400 00
Pennville Telephone Company	12,500 00
People's Co-operative Telephone Company.....	2,160 00
Peoples Mutual Telephone Company.....	10,575 00
People's Mutual Telephone Association.....	22,050 00
People's Co-operative Telephone Company of Manson.....	8,504 00

People's Co-operative Telephone Company of Colfax.....	12,900 00
People's Co-operative Telephone Company of Stockwell....	4,500 00
Perkinsville & Lapel Telephone Company.....	3,210 00
Pleasantville Co-operative Telephone Company.....	3,900 00
People's Mutual Telephone Company.....	6,468 00
Perry Telephone Company	980 00
Pierceton Telephone Company	27,375 00
Pigeon Roost Telephone Company.....	560 00
Palmer Telephone Company	2,450 00
Paris Crossing Telephone Company.....	2,730 00
Pendleton Telephone Company	22,750 00
People's Telephone Company	6,468 00
People's Co-operative Telephone Company of Jamestown..	14,350 00
People's Co-operative Telephone Company of Mulberry....	36,470 00
Perry Farmers Telephone Company.....	125 00
People's Union Telephone Company.....	7,320 00
Philadelphia Farmers Telephone Company.....	750 00
Poe Farmers Telephone Company.....	300 00
Perry Hill Telephone Company.....	960 00
Pike County Telephone Company.....	107,744 00
Pleasant View Telephone Company.....	312 00
Pike's Peak Telephone Company of New Bellsville.....	4,230 00
Poseyville Mutual Telephone Association.....	3,300 00
Prairie Telephone Company	27,900 00
Prairie Creek Mutual Telephone Company.....	15,100 00
Princeton Telephone Company	72,000 00
Providence Telephone Company	8,000 00
Public Service Telephone Company.....	36,827 00
Putnam County Telephone Company.....	4,400 00
Poland Telephone Company	3,050 00
Portage Home Telephone Company.....	22,532 00
Prairie Branch Telephone Company.....	350 00
Raleigh Telephone Company	2,100 00
Reelsville Telephone Company	180 00
Range Line Telephone Company.....	250 00
Reese Mills Co-operative Telephone Company.....	10,255 00
Remington Telephone Company	30,000 00
Rentschler Line Telephone Company.....	546 00
Reynolds Telephone Company	8,400 00
Richmond Home Telephone Company.....	439,530 00
Ripley Farmers' Co-operative Telephone Company.....	42,515 00
Russiaville Co-operative Telephone Company.....	12,240 00
Rushville Co-operative Telephone Company.....	116,710 00
Rossville Home Telephone Company.....	22,950 00
Rosedale Mutual Telephone Company.....	21,590 00
Rose Lawn Telephone Exchange.....	2,160 00
Rome Telephone Company	720 00
Rockfield Co-operative Telephone Company.....	7,140 00
Rochester Telephone Company	77,366 00
Roann Telephone Company	34,800 00

Roachdale Telephone Company	12,640 00
Rural Telephone Company	1,960 00
Royal Center Telephone Company.....	17,200 00
Royal Telephone Company	21,105 00
Roanoke Telephone Company	16,965 00
Sand Bank Telephone Company.....	No assessment
St. Joe Telephone Company.....	8,277 00
Sanford Mutual Telephone Company.....	2,125 00
Salem Co-operative Telephone Company of Cairo.....	4,560 00
Salamonia Telephone Company	12,040 00
St. Philips Telephone Company.....	5,000 00
Scircleville Telephone Company	12,735 00
Shannondale Telephone Company	3,810 00
Shirley Telephone Company	10,000 00
Shoals and Dubois Telephone Company.....	900 00
Shiloh Telephone Company	437 00
Shady Grove Telephone Company	400 00
Sharpsville Telephone Company	20,800 00
Silverwood Telephone Company	2,255 00
Silvins and Shaffer Telephone Company.....	156 00
Sims Co-operative Telephone Company.....	7,876 00
Six Mile Telephone Company.....	425 00
Sidney Telephone Company	19,260 00
Southern Michigan Telephone Company.....	420 00
Southern Indiana Telephone and Telegraph Company....	185,640 00
Southern Indiana Telephone Company of McCutchanville.	9,250 00
Southern Indiana Telephone Company of Aurora.....	84,280 00
South Side Telephone Company.....	2,400 00
Southern Farmers Telephone Lines Nos. 3 and 4.....	420 00
Springport Rural Telephone Company.....	5,525 00
Spiceland Co-operative Telephone Company.....	21,060 00
Spencerville Telephone Company	8,400 00
Sparta and Hogan Mutual Telephone Company.....	1,225 00
South Raub Co-operative Telephone Company.....	3,000 00
Spurgeon Home Telephone Company.....	4,500 00
Summitville Telephone Company	13,150 00
Switz City Co-operative Telephone Company.....	6,500 00
Syracuse Home Telephone Company.....	22,660 00
Sulphur Springs Co-operative Telephone Company.....	7,020 00
Sullivan Telephone Company	103,927 00
Star Telephone Company of Geneva.....	2,575 00
Star Telephone Company of French Lick.....	11,935 00
Stansbury Mutual Telephone Company.....	480 00
Stahl-Goyer Telephone Company	360 00
Stanford Telephone Company	1,500 00
Sweetser Rural Telephone Company.....	13,800 00
Swayzee Co-operative Telephone Company.....	14,000 00
Stotts Creek Telephone Company.....	500 00
Steuben County Telephone Company.....	112,580 00
Stendal Home Telephone Company.....	4,000 00

Star City Telephone Company.....	17,765 00
Star Line Telephone Company.....	625 00
Stone Bluff Telephone Company.....	13,475 00
Tipton Telephone Company	81,995 00
Tyner Telephone Company	6,600 00
Twelve Mile Telephone Company.....	14,065 00
Turman Township Telephone Company.....	13,440 00
Tobinsport Telephone Company	1,500 00
Tippecanoe Telephone Company	7,680 00
Thorntown Telephone Company	35,000 00
Terhune Co-operative Telephone Company.....	9,000 00
Taylorsville Telephone Company	4,200 00
Talma Telephone Company	6,300 00
Trotter Telephone Company	3,600 00
Tocsin Telephone Company	4,620 00
Tilden Mutual Telephone Company.....	1,800 00
Union City Telephone Company.....	74,460 00
Dr. E. B. Vincent's Telephone Company.....	2,000 00
Uniondale Rural Telephone Company.....	24,640 00
Urbana Independent Telephone Company.....	14,100 00
Union Telephone Company	24,200 00
Union Home Telephone Company.....	3,600 00
Union Telephone Company	10,800 00
Van Buren Telephone Company.....	3,630 00
Vernon Township Farmers Telephone Company.....	855 00
Versailles Telephone Company	2,500 00
Velpen Home Telephone Company.....	2,310 00
Veedersburg Telephone Company	27,145 00
Vigo Mutual Telephone Company.....	7,800 00
Wabash Valley Telephone Company.....	8,000 00
West Fork and Sulphur Home Telephone Company.....	1,050 00
West Point Co-operative Telephone Company.....	12,920 00
Westland Telephone Company	300 00
West Newton Telephone Company.....	10,800 00
Western Grove Telephone Company.....	975 00
Warrington and Markleville Telephone Company.....	1,395 00
Warrington Telephone Company	750 00
Wallace Co-operative Telephone Company.....	9,634 00
Western Indiana Telephone Company.....	40,650 00
Waynetown Telephone Company	19,240 00
Waveland Telephone Company	14,400 00
Waterloo Telephone Exchange	17,775 00
Warren Telephone Company	33,300 00
Walkerton Telephone Company	28,325 00
Waldron Telephone Exchange Company.....	15,200 00
Winona Telephone Company	271,524 00
Whitestown Citizens' Telephone Company.....	18,562 00
Windfall Telephone Company	14,250 00
Whiteland Telephone Company	28,035 00
Willshire Telephone Company	2,860 00

Wilkinson, Simmons and Woods.....	560 00
Wilkinson Switchboard and Telephone Company.....	6,000 00
Whitley County Telephone Company.....	103,295 00
Whippoorwill Telephone Company	6,000 00
White River Valley Telephone Company.....	6,000 00
Wheatfield Telephone Exchange Company.....	2,850 00
White Star Telephone Company.....	10,200 00
Williams County Telephone Company.....	8,680 00
Whitesville Co-operative Telephone Company.....	4,500 00
Wilson Telephone Company	1,050 00
White Star Telephone Company.....	214 00
Woodburn Home Telephone Company.....	13,336 00
Wolcott Telephone Company	32,604 00
Yeoman Telephone Company	9,000 00
Yeddo Telephone Company	390 00
Zenas Independent Telephone Company.....	9,338 00
<hr/>	
Total	\$38,047,398 00

TELEGRAPH COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate, Structures, Machinery, Fixtures and Appliances Subject to Local Taxation) of Telegraph Companies for the Year 1922 as Fixed by the State Board of Tax Commissioners.

<i>Name of Company</i>	<i>Total Assessment</i>
Postal Telegraph Company	\$1,031,063 00
Western Union Telegraph Company.....	6,585,028 00
<hr/>	
Total	\$7,616,091 00

SLEEPING CAR COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate, Structures, Machinery, Fixtures and Appliances Subject to Local Taxation) of Sleeping Car Companies for the Year 1922 as Fixed by the State Board of Tax Commissioners.

<i>Name of Company</i>	<i>Total Assessment</i>
The Pullman Company	\$2,230,624 00

EXPRESS COMPANIES

Final Assessment of the Personal Property Within the State of Indiana
(Exclusive of the Real, Estate, Structures and Machinery, Fixtures
and Appliances Subject to Local Taxation) of Express Com-
panies for the Year 1922 as Fixed by the State Board
of Tax Commissioners.

<i>Name of Company</i>	<i>Total Assessment</i>
American Railways Express Company.....	\$658,519 00
Southeastern Express Company	18,882 00
Total	\$677,401 00

PIPE LINE COMPANIES

Assessment and Valuation of the Property Within the State of Indiana
(Exclusive of Real Estate, Buildings, Machinery and Appliances
and Wells, All of Which are Subject to Local Taxation)
of Pipe Line Companies for the Year 1922.

<i>Name of Company</i>	<i>Total Assessment</i>
Charlottesville Natural Gas Company.....	\$500 00
Fuel Gas Company of Indiana.....	11,000 00
Illinois Pipe Line Company.....	9,606,100 00
Indiana Gas Light Company.....	265,380 00
Indiana Natural Gas and Oil Company.....	140,534 00
Indiana Gas Transportation Company.....	296,985 00
Indiana Pipe Line Company.....	5,580,136 00
The Logan Natural Gas and Fuel Company.....	788,317 00
The Prairie Pipe Line Company.....	140,299 00
Sinclair Pipe Line Company.....	79,000 00
Springport and Mt. Summit Gas Company.....	1,440 00
The Tide-Water Pipe Company, Ltd.	687,033 00
Total	\$17,596,724 00

TRANSPORTATION COMPANIES

Final Valuations in Indiana of Transportation Companies as Valued by
the State Board of Tax Commissioners in 1922. These Valuations
are Subject to an Excise Tax of One Per Cent and Payable
to the Auditor of State in the Month of November.

<i>Name of Company</i>	<i>Total Assessment</i>
Acme Petroleum Company, 910 South Michigan Ave., Chicago, Ill.	\$6,000 00
The American Agricultural Chemical Company, 2 Rector St., New York City, N. Y.	387 00
American Bridge Company, 1524 Frick Bldg., Pittsburgh, Pa.	1,900 00
The American Cotton Oil Company, 65 Broadway, New York City, N. Y.	12,500 00

American Extract Company, Port Allegany, Pa.	333 00
American Hominy Company, Indianapolis, Ind.	1,019 00
American Linseed Company, 297 Fourth Ave., New York City, N. Y.	12,600 00
American Maize Products Co. operating Roby Tank Line, 135 William St., New York, N. Y.	10,946 00
American Pacific Whaling Company, 123 Pacific Ave., Tacoma, Wash.	1,000 00
American Refrigerator Transit Company, Railway Exchange Bldg., St. Louis, Mo.	72,488 00
American Sugar Refining Company, 117 Wall St., New York, N. Y.	5,600 00
American Tank Line of the Grasselli Chemical Company, Guardian Bldg., Cleveland, Ohio	18,613 00
American Tar Products Company, Inc., 208 South LaSalle St., Chicago, Ill.	5,285 00
American Zinc Company, 55 Congress St., Boston, Mass.	5,968 00
Archer-Daniels Linseed Company, Minneapolis, Minn.	1,100 00
Armour and Company, Union Stock Yards, Chicago, Ill.	90,355 00
The Arms Palace Horse Car Company, Room 614, 332 South Michigan Ave., Chicago, Ill.	1,037 00
Atlas Powder Company, Wilmington, Del.	1,904 00
Aurelius-Thomas Gasoline Company, Oklahoma City, Okla.	1,000 00
Baker Coconut Company, 16 Church Street, New York, N. Y.	478 00
Balfour, Williamson and Company, 67 Wall Street, New York City, N. Y.	2,109 00
The Barber Asphalt Paving Company, 1900 Land Title Bldg., Philadelphia, Pa.	7,282 00
Barnsdall Refining Co. successors to Bigheart Prod. and Refg. Co., 10th floor Petroleum Bldg., Tulsa, Okla.	6,490 00
The Barrett Company, 40 Rector St., New York, N. Y.	37,665 00
Beaver Electra Tank Company, Electra, Texas	3,800 00
The Berwind White Coal Mining Company, 1100 Commercial Trust Bldg., Philadelphia, Pa.	250 00
The British American Oil Company, Ltd., Royal Bank Bldg., Toronto, Canada	6,900 00
Butler County Oil Refining Company, Butler, Pa.	2,400 00
Caddo Central Oil and Refining Corporation, Shreveport, La.	26,144 00

California Dispatch Line, 216 Pine St., San Francisco, Cal.	1,913 00
Canfield Refining Company, Yale, Okla.	1,000 00
The Canfield Tank Line Company, Cleveland, Ohio	710 00
Capitol Tank Line owned and operated by Capitol Refining Company, South Washington, Va.	200 00
Cedar Rapids Refrigerator Line, Cedar Rapids, Iowa	12,300 00
Central Chemical Company, 111 West Washington St., Chicago, Ill.	3,800 00
Central Commercial Company, Chicago, Ill.	2,400 00
Central Refining Company, Lawrenceville, Ill.	60,412 00
Champion Fiber Company, Canton, N. C.	155 00
Champlin Refining Company, Enid, Okla., Box 756	2,513 00
Chatfield Manufacturing Company, Cincinnati, Ohio	1,000 00
Chestnut and Smith Corporation, 7th Cheyenne St., Tulsa, Okla.	27,222 00
Chicago, New York and Boston Refining Company, 181 West Quincy St., Chicago, Ill.	4,813 00
Chilohowee Extract Plant, Newport, Tenn.	700 00
Cincinnati Refrigerator Express, Cincinnati, Ohio	2,319 00
The Cleveland Cliff Iron Company, Kirby Bldg., Cleveland, Ohio.	100 00
The Cleveland Provision Car Company, 2527 Canal Road, Cleveland, Ohio.	200 00
Commercial Car Line, 208 South LaSalle St., Chicago, Ill.	3,260 00
Contact Process Company, Buffalo, N. Y.	3,300 00
Constantin Refining Company, Tulsa, Okla.	5,839 00
Cook and Swan Company, Inc., 148 Front St., New York City, N. Y.	500 00
Cosden and Company, Tulsa, Okla.	107,142 00
The Cruikshank Brothers Company, Pittsburgh, Pa.	214 00
The Cudahy Packing Company, 111 West Monroe St., Chicago, Ill.	29,074 00
Columbia Naval Stores Company of Delaware, Savannah, Ga.	1,000 00

Conwango Refining Company, Warren, Pa.	14,300 00
Corn Belt Packing Company, Dubuque, Iowa	274 00
Crystal Car Line, 200 East Illinois St., Chicago, Ill.	14,558 00
Jacob E. Decker and Sons, Mason City, Iowa	529 00
Dewey Portland Cement Company, Kansas City, Mo.	100 00
Dixie Refining Company, New Orleans, La.	635 00
Dold Refrigerator Car Line, owned and operated by Jacob Dold Packing Company, Buffalo, N. Y.	10,233 00
Dunbar Molasses and Syrup Company, New Orleans, La.	500 00
E. I. duPont de Nemours and Company, 1007 Market St., Wilmington, Del.	4,800 00
The El Dorado Refining Company, El Dorado, Kan.	117 00
Elkhorn Piney Coal Mining Company, Carrollville, Wis.	69,424 00
Elk Refining Company, Charleston, W. Va.	3,000 00
Emery Manufacturing Company, Bradford, Pa.	1,173 00
Emlenton Refining Company, Emlenton, Pa.	1,330 00
Empire Refineries, Inc., Bartlesville, Okla.	50,293 00
Federal Tank Line, 230 Fifth Ave., Pittsburgh, Pa.	3,200 00
The Fleischmann Transportation Company, 327 LaSalle St., Chicago, Ill.	35,289 00
The Wm. Focke's Sons Company, Dayton, Ohio	100 00
Foco Oil Company, Franklin, Pa.	2,058 00
Freedom Oil Works Company, Freedom, Pa.	2,000 00
Fruit Growers Express Company, Washington, D. C.	43,858 00
General Chemical Company, 25 Broad St., New York, N. Y.	35,430 00
General Electric Company, No. 1 River Road, Schenectady, N. Y.	334 00
Georgia Rosin Products Company, P. O. Box 382, Brunswick, Ga.	563 00
Gillican H. Chipley Company, 809 Canal Bank Bldg., New Orleans, La.	1,500 00

L. C. Gillespie and Sons, 6-8 Fletcher St., New York City, N. Y.	4,571 00
Glaser-Crandell Company, 2006 Southwestern Ave., Chicago, Ill.	800 00
The Globe Soap Company, Cincinnati, Ohio	1,914 00
Great American Refining Company, 309 Wright Bldg., Tulsa, Okla.	8,600 00
Gulf Refining Company, Frick Bldg. Annex, Pittsburgh, Pa.	12,977 00
H. J. Heinz Company, Pittsburg, Pa.	2,863 00
Hercules Powder Company, New Castle, Ind.	2,000 00
Herf & Frerichs Chemical Company, St. Louis, Mo.	2,700 00
Humble Oil & Refining Company, Houston, Texas	2,106 00
The Hegeler Zinc Company, Danville, Ill.	16,593 00
Hyman Pickle Company, Louisville, Ky.	2,900 00
Independent Refrigerator Car Company, Forty-first and Halstead Sts., Chicago, Ill.	15,200 00
Illinois Oil Company, Rock Island, Ill.	283 00
Independent Refining Company, Oil City, Pa.	2,300 00
Imperial Oil, Ltd., 445 Christina St., South, Sarnia, Ontario.	88 00
Indian Refining Company, 244 Madison Ave., New York City, N. Y.	263,892 00
Indianapolis Refrig. Express Company, Indianapolis, Ind.	2,931 00
The Island Petroleum Company, Baltimore, Md.	2,100 00
Jap Rose Tank Line, Chicago, Ill.	100 00
Keith Railway Equipment Company, Chicago, Ill.	14,882 00
Kellogg Products, Inc., Buffalo, N. Y.	568 00
Kingan Refrigerator Line, Maryland and Blackford Sts., Indianapolis, Ind.	57,550 00
La Belle Iron Works, Wheeling, W. Va.	230 00
Larkin Company, Inc., Buffalo, N. Y.	445 00
Libby, McNeill & Libby, Union Stockyards, Chicago, Ill.	1,035 00

Live Poultry Transit Company, 431 South Dearborn St., Chicago, Ill.....	6,900 00
Liquefied Petroleum Gas Company, Tulsa, Okla.	1,100 00
Liquids Despatch Line, 2513 South Robey St., Chicago, Ill.....	422 00
Louisiana Oil Refining Corporation, Shreveport, La.	7,714 00
Morris & Company Refrigerator and Tank Line, U. S. Yards, Chicago, Ill.....	40,000 00
Magnola Petroleum Company, Box 1667, Dallas, Texas.....	1,200 00
Marland Refining Company, Ponca City, Okla.	6,527 00
Mather Stock Car Company, 501 Peoples Gas Bldg., Chicago, Ill.....	20,400 00
Matthiessen & Hegeler Zinc Company, La Salle, Ill.	5,587 00
Menasha Wooden Ware Company, Menasha, Wis.	227 00
Michigan Alkali Company, Wyandotte, Mich.	368 00
Michigan Ammonia Works, Detroit, Mich.	500 00
Michigan Tanning & Extract Company, Petoskey, Mich.	520 00
Mid Co. Gasoline Company, Tulsa, Okla.	4,600 00
Midland Linseed Despatch, Minneapolis, Minn.	733 00
Midland Refining Company, El Dorado, Kan.	2,200 00
The Midwest Refining Company, Denver, Colo.	856 00
Mineral Point Zinc Company, 140 South Dearborn St., Chicago, Ill.....	4,837 00
Minnesota Linseed Oil Company, Minneapolis, Minn.	400 00
Monsanto Chemical Works, St. Louis, Mo.	5,728 00
Morrell Refrigerator Car Company, Ottumwa, Iowa	2,500 00
Moseley Bros., Grand Rapids, Mich.	4,200 00
Mutual Refining Company, Warren, Pa.	178 00
National Carbon Company, Cleveland, Ohio	700 00
The National Pipe Line Company, Operator of Peerless Transit Line, Cleveland, Ohio.....	2,000 00

New River & Pocahontas Consolidated Coal Company, 1120 Commerical Trust Bldg., Philadelphia, Pa.....	200 00
North American Oil Refining Corporation, 1107 Colcord Bldg., Oklahoma City, Okla.	16,100 00
North Pacific Sea Products Company, 2105 L. C. Smith Bldg., Seattle, Wash.....	300 00
Northern Refrigerator Car Company, Cudahy, Wis.	6,650 00
Ohio Valley Refining Company, St. Marys, W. Va.....	3,553 00
Oil State Refining Company, Enid, Okla.	518 00
Oklahoma Producing & Refining Corporation, Tulsa, Okla.	14,100 00
Panhandle Producing & Refining Company, Dallas, Texas	4,000 00
The Paragon Refining Company, Toledo, Ohio	38,648 00
Peet Bros. Mfg. Company, Fifteenth and Kansas Aves., Kansas City, Kan.....	172 00
Penn American Refining Company, Oil City, Pa.	900 00
Oil Products Refining Company, Eldred, Pa.	2,352 00
Pennsylvania Refining Company, Karns City, Pa.	534 00
Pennsylvania Tank Line, Lock Drawer 544, Sharon, Pa.....	9,000 00
Philippine Vegetable Oil Company, 25 Broadway, New York City, N. Y.....	1,660 00
Philadelphia Quartz Company, 121 South Third St., Philadelphia, Pa.....	2,675 00
Pierce Oil Corporation, 25 Broad St., New York, N. Y.....	8,378 00
Pittsburgh By-Product Coke Company, Union Arcade Bldg., Pittsburgh, Pa.....	81,450 00
Pittsburgh Oil Refining Corporation, 32 South St., Baltimore, Md.....	1,300 00
Pittsburgh Plate Glass Company, 1618 Frick Bldg., Pittsburgh, Pa.	690 00
Pittsburgh Provision and Packing Company, Pittsburgh, Pa.	100 00
The Procter & Gamble Transportation Company, Cincinnati, Ohio	25,500 00
Producers and Refiners Corporation, Denver, Colo.	12,700 00
The Pure Oil Company, 246-252 North High St., Columbus, Ohio.....	36,350 00
The Rath Packing Company, Waterloo, Iowa	1,832 00

Robeson Process Company, 200 Fifth Ave., New York, N. Y.....	1,300 00
Roxana Petroleum Corporation, St. Louis, Mo.	20,439 00
Sinclair Refining Company, Chicago, Ill.	83,600 00
St. Louis Independent Packing Company, St. Louis, Mo.	155 00
St. Louis Oil & Refining Company, El Dorado, Kan.	100 00
Sapulpa Refining Company, Sapulpa, Okla.	6,189 00
The D. M. Sears Company, Fort Wayne, Ind.	789 00
Semet-Solvay Company, Syracuse, N. Y.	9,034 00
Seneca Oil Works, Warren, Pa.	1,335 00
Shell Company of California, 343 Sansome St., San Francisco, Cal.....	378 00
Skelly Oil Company, Tulsa, Okla.	600 00
Sloan & Zook, 101 Main St., Bradford, Pa.	1,500 00
The Southern Cotton Oil Company, 120 Broadway, New York City, N. Y.	2,246 00
Southern Extract Company, Knoxville, Tenn.	4,000 00
Southport Mill, Ltd., New Orleans, La.	931 00
Squire Dingee Company, 1918 Elston Ave., Chicago, Ill.....	1,648 00
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	12,277 00
Standard Tank Car Company, Masury, Ohio	121,332 00
The Steel & Tube Company of America, 111 West Washington St., Chicago, Ill.....	112,176 00
Stoll Oil Refining Company, Louisville, Ky.	900 00
Superior Oil Works, Warren, Pa.	551 00
Swift Live Stock Transportation Company, Union Stock Yards, Chicago, Ill.....	3,900 00
Swift Refrigerator Transportation Company, Union Stock Yards, Chicago, Ill.....	16,000 00
Southern Agricultural Tank Line, 61 Broadway, New York City, N. Y.....	6,465 00
Taylor, Lowenstein & Company, Mobile, Ala.	1,302 00

Tennessee Coal, Iron & Railroad Company, Birmingham, Ala.	282 00
Terrell Cotton Oil Company, Terrell, Texas	500 00
The Texas Company, Houston, Texas	28,737 00
Tidal Refining Company, Tulsa, Okla.	15,000 00
Tidal-Western Oil Corporation, Tulsa, Okla.	7,200 00
Titusville Oil Works, Titusville, Pa.	1,063 00
Transcontinental Oil Company, 223 Fourth Ave., Pittsburgh, Pa.	19,620 00
Trojan Powder Company, 17 North Seventh St., Allentown, Pa.	984 00
Union Coal & Coke Company, Widener Bldg., Philadelphia, Pa.	240 00
Union Oil Company of California, Union Oil Bldg., Los Angeles, Cal.	1,238 00
Union Petroleum Company, Widener Bldg., Philadelphia, Pa.	6,100 00
Union Refrigerator Transit Company, Station C, Milwaukee, Wis.	17,993 00
Union Tank Car Company, 21 East Fortieth St., New York City, N. Y.	319,255 00
U. S. Industrial Alcohol Company, 27 William St., New York, N. Y.	10,600 00
United Refining Company, Warren, Pa.	2,200 00
Valvoline Oil Works, Ltd., East Butler, Pa.	318 00
Waverly Oil Works Company, Fifty-fourth St. and A. V. R. R., Pittsburgh, Pa.	5,973 00
White Oil Corporation, Traffic Department, Houston, Texas	6,962 00
The Whitmore Mfg. Company, Cleveland, Ohio	766 00
Wilburine Oil Works, Ltd., Warren, Pa.	2,118 00
White Star Refining Company, Detroit, Mich.	25,782 00
Wilson Car Lines, Chicago, Ill.	19,000 00
Wood Products Company, 528 Fourth St., Buffalo, N. Y.	5,200 00
The Youngstown Sheet & Tube Company, Youngstown, Ohio	200 00
Total	\$2,627,402 00

BANKS, TRUST COMPANIES, SAVINGS BANKS AND MORTGAGE GUARANTEE COMPANIES

Final Assessment of the shares of Capital Stock of Banks, Trust Companies and Savings Banks for the Year 1922, as fixed by the State Board of Tax Commissioners; also are shown the totals in each County of the Real Estate of Banks as carried on the books of the Banks, but the assessed values of Real Estate are not shown.

ADAMS COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Berne.....	The Bank of Berne.....	655 @	\$151 31	\$99,112
	The Peoples State Bank.....	500 @	123 66	61,829
Decatur.....	Old Adams County Bank.....	1,200 @	55 85	67,028
	Peoples Loan & Trust Co.....	500 @	81 81	40,905
	First National Bank.....	1,000 @	131 81	131,806
Geneva.....	Bank of Geneva.....	500 @	126 36	63,181
	Farmers & Merchants State Bank.....	350 @	112 00	39,200
Linn Grove.....	Bank of Linn Grove.....	175 @	86 18	15,082
Monroe.....	Monroe State Bank.....	250 @	86 40	21,599
Preble.....	Farmers State Bank.....	250 @	91 05	22,763
Total assessments on stock.....				\$562,508
Total deductions for real estate.....				182,879
Total bank valuation.....				\$745,387

ALLEN COUNTY

Arcola.....	Arcola State Bank.....	250 @	\$45 60	\$11,400
Fort Wayne.....	Tri-State Loan & Trust Co.....	5,000 @	102 19	510,945
	Bowser Loan & Trust Co.....	1,000 @	98 26	98,256
	Broadway State Bank.....	250 @	109 20	27,300
	Citizens Trust Co.....	2,000 @	27 65	55,306
	The Dime Savings & Trust Co.....	780 @	100 00	78,000
	Farmers Trust Co.....	2,000 @	64 05	128,137
	First Joint Stock Land Bank.....	100 @	106 09	10,609
	First National Bank.....	10,000 @	119 56	1,195,629
	The Fort Wayne State Bank.....	500 @	69 11	34,554
	Lincoln National Bank.....	3,000 @	166 62	499,879
	Lincoln Trust Co.....	5,000 @	94 52	472,600
	Old National Bank.....	3,500 @	170 17	595,600
	The Peoples Trust & Savings Co.....	2,000 @	180 95	361,900
Grabill.....	Grabill State Bank.....	352 @	41 26	14,524
Harlan.....	The Harlan State Bank.....	250 @	74 82	18,704
Hoagland.....	The Hoagland State Bank.....	250 @	122 09	30,522
Huntertown.....	Huntertown State Bank.....	250 @	84 00	21,000
Monroeville.....	Citizens State Bank.....	500 @	138 34	69,171
New Haven.....	New Haven State Bank.....	350 @	124 29	43,503
	The Peoples State Bank.....	320 @	69 87	22,360
Woodburn.....	Woodburn Banking Co.....	250 @	79 23	19,807
Yoder.....	Yoder State Bank.....	250 @	23 54	5,886
Zanesville.....	Zanesville Bank.....	100 @	129 97	12,997
Total assessment on stock.....				\$4,338,591
Total deduction for real estate.....				1,935,751
Total bank valuation.....				\$6,274,342

BARTHOLOMEW COUNTY

Columbus.....	Peoples Savings & Trust Co.....	1,000 @	\$159 37	\$159,372
	Farmers Trust Co.....	1,000 @	111 84	111,846
	Irwin's Bank.....	1,000 @	203 80	203,602
	First National Bank.....	1,000 @	158 58	158,584
Elizabethtown.....	Farmers & Merchants Bank.....	120 @	173 14	20,776

BARTHOLOMEW COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Hartsville.....	First National Bank.....	250 @	129 57	32,392
Hope.....	Hope State Bank.....	250 @	141 22	35,304
	Citizens National Bank.....	300 @	183 79	55,137
Jonesville.....	Jonesville State Bank.....	250 @	104 81	26,201
Total assessments on stock.....				\$803,217
Total deductions for real estate.....				50,251
Total bank valuation.....				\$853,468

BENTON COUNTY

Ambia.....	Farmers & Merchants Bank.....	250 @	\$105 55	\$26,387
	First National Bank.....	No Assessment.		
Boswell.....	Farmers & Merchants Bank.....	400 @	128 11	51,244
	The First National Bank.....	250 @	268 56	67,140
Earl Park.....	Earl Park State Bank.....	250 @	128 63	32,158
Fowler.....	Bank of Benton.....	250 @	166 61	41,652
	First National Bank.....	750 @	155 21	116,413
Freeland Park.....	First National Bank.....	250 @	126 70	31,675
Otterbein.....	Farmers & Merchants Bank.....	400 @	202 73	81,095
	State Bank of Otterbein.....	600 @	155 44	93,266
Oxford.....	Bank of Oxford.....	250 @	140 00	35,000
	The State Bank of Oxford.....	250 @	135 56	33,891
Raub.....	Raub State Bank.....	250 @	94 40	23,600
Total assessments on stock.....				\$633,523
Total deductions for real estate.....				68,008
Total bank valuations.....				\$701,531

BLACKFORD COUNTY

Hartford City.....	Blackford County Bank.....	750 @	\$131 44	\$98,580
	Citizens State Bank.....	800 @	136 05	108,845
	First National Bank.....	500 @	93 50	46,753
Montpelier.....	The Farmers Deposit Bank.....	500 @	91 06	45,531
	First National Bank.....	500 @	127 22	63,612
Total assessments on stock.....				\$363,323
Total deductions for real estate.....				52,700
Total bank valuations.....				\$416,023

BOONE COUNTY

Advance.....	State Bank of Advance.....	250 @	\$85 85	\$21,461
Jamestown.....	Citizens State Bank.....	300 @	204 24	61,272
Lebanon.....	Boone County State Bank.....	1,000 @	100 53	100,536
	Citizens Loan & Trust Co.....	500 @	101 74	50,872
	Farmers State Bank.....	1,000 @	139 82	139,823
	First National Bank.....	1,000 @	165 86	165,865
Mechanicsburg (P O. Lebanon).....	Mechanicsburg Bank.....	150 @	69 65	10,448
Thorntown.....	Home National Bank.....	300 @	163 69	49,109
	State Bank of Thorntown.....	400 @	171 40	68,560
Whitestown.....	Peoples State Bank.....	250 @	29 30	7,326
Zionsville.....	Farmers Bank.....	100 @	150 94	15,094
	Rosston Bank.....	100 @	67 00	6,700
Total assessments on stock.....				\$697,068
Total deductions for real estate.....				224,516
Total bank valuations.....				\$921,584

BOARD OF TAX COMMISSIONERS

1131

BROWN COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Nashville.....	Nashville State Bank.....	250 @	\$177 72	\$44,433
Total assessments on stock.....				\$44,433
Total deductions for real estate.....				4,000
Total bank valuations.....				\$48,433

CARROLL COUNTY

Burlington.....	Burlington State Bank.....	250 @	\$120 96	\$30,200
Camden.....	Camden State Bank.....	250 @	104 72	26,200
	Farmers State Bank.....	250 @	105 12	26,300
Cutler.....	The Cutler Bank.....	100 @	100 00	10,000
Delphi.....	A. T. Bowen & Co. Bank.....	100 @	570 00	57,000
	Carroll County Loan & Trust Co.....	250 @	89 08	22,300
	Citizens National Bank Co.....	750 @	114 36	85,800
	Delphi State Bank.....	500 @	130 00	65,000
Flora.....	Bright National Bank.....	250 @	125 08	31,300
	Carroll County Loan, Trust & Savings Company.....	500 @	95 12	47,600
Rockfield.....	Rockfield Bank.....	100 @	100 75	10,100
Yeoman.....	Bank of Yeoman.....	100 @	109 87	11,000
Total assessments on stock.....				\$422,800
Total deductions for real estate.....				80,911
Total bank valuations.....				\$503,711

CASS COUNTY

Galveston.....	First State Bank.....	250 @	\$119 08	\$29,800
	G. W. Cromwell Bank.....	100 @	331 30	33,100
Logansport.....	The Citizens Loan & Trust Co.....	1,000 @	76 05	76,100
	City National Bank.....	2,000 @	97 28	194,600
	Farmers & Merchants State Bank.....	1,000 @	124 17	124,200
	First National Bank.....	2,500 @	125 84	314,600
	Logansport Loan & Trust Co.....	1,000 @	66 66	66,700
	Logansport State Bank.....	1,500 @	124 67	187,000
Lucerne.....	Lucerne State Bank.....	250 @	108 00	27,000
Onward.....	Farmers State Bank.....	250 @	96 32	24,100
Royal Centre.....	Citizens State Bank.....	250 @	53 96	13,500
	The Royal Center State Bank.....	300 @	132 42	39,700
Twelve Mile.....	Twelve Mile State Bank.....	250 @	140 16	35,000
Walton.....	Cass County State Bank.....	300 @	114 43	34,300
Young America.....	Farmers State Bank.....	250 @	109 96	27,500
Total assessments on stock.....				\$1,227,200
Total deductions for real estate.....				388,777
Total bank valuations.....				\$1,615,977

CLARK COUNTY

Borden.....	Borden State Bank.....	250 @	\$122 92	\$30,700
Charlestown.....	Bank of Charlestown.....	375 @	152 94	57,400
	First National Bank.....	250 @	152 36	38,100
Henryville.....	Henryville State Bank.....	250 @	134 00	33,500
Jeffersonville.....	Citizens Trust Company.....	1,000 @	130 86	130,900
	Clark County State Bank.....	750 @	119 84	89,900
	First National Bank.....	1,500 @	122 24	183,400
New Washington.....	New Washington State Bank.....	250 @	154 80	38,700
Sellersburg.....	Sellersburg State Bank.....	250 @	122 28	30,600
Total assessments on stock.....				\$633,200
Total deductions for real estate.....				146,672
Total bank valuations.....				\$779,872

CLAY COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Brazil.....	Biddle National Bank.....	500 @	\$127 83	\$63,900
	Brazil Trust Co.....	1,000 @	122 20	122,200
	Citizens National Bank.....	1,000 @	78 69	78,700
	Davis Trust Co.....	500 @	118 49	59,200
	First National Bank.....	1,000 @	149 26	149,300
Carbon.....	Carbon Bank.....	100 @	100 06	10,000
Centerpoint.....	First National Bank.....	250 @	129 48	32,400
Clay City.....	Farmers & Merchants Bank.....	500 @	106 00	53,000
	First National Bank.....	250 @	110 76	27,700
Cory.....	The Citizens Bank.....	100 @	110 42	11,000
Poland.....	The Bank of Poland.....	110 @	180 62	19,900
Total assessments on stock.....				\$627,300
Total deductions for real estate.....				166,303
Total bank valuations.....				\$793,603

CLINTON COUNTY

Colfax.....	Colfax Bank.....	500 @	\$86 48	\$43,200
	Farmers State Bank.....	250 @	78 00	19,500
Forest.....	Citizens Bank.....	100 @	173 88	17,400
Frankfort.....	American National Bank.....	1,000 @	121 18	121,200
	Citizens Loan & Trust Co.....	750 @	155 23	116,400
	Clinton County Bank & Trust Co.....	1,000 @	85 26	85,300
	First National Bank.....	2,000 @	129 70	259,400
	Farmers Bank.....	1,000 @	147 10	147,100
Hillisburg.....	Frankfort Loan & Trust Co.....	250 @	228 76	57,197
	Hillisburg Bank.....	200 @	95 27	19,054
Kirklin.....	Farmers State Bank.....	300 @	98 66	29,600
	First National Bank.....	500 @	150 76	75,400
Michigantown.....	Peoples State Bank.....	250 @	119 88	30,000
Mulberry.....	Citizens National Bank.....	500 @	142 16	71,100
	Mulberry State Bank.....	250 @	168 80	42,200
Rossville.....	Farmers State Bank.....	250 @	98 72	24,700
	Bank of Rossville.....	100 @	210 43	21,000
Scircleville.....	Farmers State Bank.....	250 @	83 16	20,800
Sedalia.....	Bank of Sedalia.....	100 @	104 17	10,400
Total assessments on stock.....				\$1,210,951
Total deductions for real estate.....				229,010
Total bank valuations.....				\$1,430,961

CRAWFORD COUNTY

English.....	Crawford County State Bank.....	250 @	\$146 04	\$36,500
Leavenworth.....	Leavenworth State Bank.....	250 @	78 92	19,700
Marengo.....	Bank of Marengo.....	100 @	319 62	32,000
Milltown.....	First National Bank.....	250 @	147 79	37,000
Total assessments on stock.....				\$125,200
Total deductions for real estate.....				24,290
Total bank valuations.....				\$149,490

DAVISS COUNTY

Elnora.....	The Citizens Bank.....	110 @	\$142 98	\$15,700
Montgomery.....	Farmers & Merchants Bank.....	100 @	133 01	13,800
Odon.....	Farmers Bank.....	100 @	176 31	17,600
	First National Bank.....	500 @	144 90	72,500

DAVIESS COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Plainville.....	Farmers Bank.....	100 @	326 07	32,500
Washington.....	The Citizens Loan & Trust Co.....	1,000 @	133 69	133,700
	Peoples National Bank.....	1,000 @	166 13	166,100
	The State Bank of Washington.....	500 @	25 86	13,000
	Washington National Bank.....	1,000 @	215 93	215,900
Total assessments on stock.....				\$680,800
Total deductions for real estate.....				129,908
Total bank valuations.....				\$810,708

DEARBORN COUNTY

Aurora.....	Aurora State Bank.....	500 @	\$144 49	\$72,200
	First National Bank.....	1,000 @	144 73	144,700
Dillsboro.....	First National Bank.....	250 @	127 75	31,900
	Dillsboro State Bank.....	350 @	127 88	44,800
Lawrenceburg.....	American State Bank.....	250 @	231 35	57,800
	Dearborn National Bank.....	500 @	140 11	70,100
	Peoples National Bank.....	1,250 @	188 71	235,900
Moore's Hill.....	Moore's Hill State Bank.....	250 @	161 55	40,400
Total assessments on stock.....				\$697,800
Total deductions for real estate.....				26,500
Total bank valuations.....				\$724,300

DECATUR COUNTY

Alert.....	Alert State Bank.....	250 @	\$126 54	\$31,600
Burney.....	Burney State Bank.....	250 @	76 80	19,200
Clarksburg.....	Clarksburg State Bank.....	250 @	154 04	48,500
Greensburg.....	Citizens National Bank.....	1,000 @	134 76	134,800
	Greensburg National Bank.....	750 @	103 43	77,600
	Third National Bank.....	1,500 @	114 94	172,400
	Union Trust Co.....	500 @	224 39	112,200
Letts.....	Letts State Bank.....	250 @	112 94	28,200
New Point.....	First State Bank.....	250 @	131 94	33,000
St. Paul.....	Farmers State Bank.....	250 @	40 34	10,100
Westport.....	First National Bank.....	300 @	148 66	44,600
Total assessments on stock.....				\$712,200
Total deductions for real estate.....				126,593
Total bank valuations.....				\$838,793

DEKALB COUNTY

Ashley.....	Ashley State Bank.....	250 @	\$101 17	\$25,300
Auburn.....	City National Bank.....	500 @	124 10	62,100
	Auburn State Bank.....	1,000 @	118 12	118,100
Butler.....	First National Bank.....	250 @	101 86	25,500
	Kinsley Bros. & Co. Bank.....	600 @	113 32	68,000
Corunna.....	Thomas Exchange.....	250 @	106 92	26,700
Garrett.....	Garrett Savings, Loan & Trust Co.....	400 @	81 47	32,600
	Garrett State Bank.....	650 @	152 15	99,900
Spencerville.....	Farmers & Merchants State Bank.....	250 @	124 56	31,100
St. Joe.....	St. Joe Valley Bank.....	250 @	98 18	24,500
Waterloo.....	Citizens Bank.....	250 @	156 66	39,200
Total assessments on stock.....				\$553,000
Total deductions for real estate.....				106,699
Total bank valuations.....				\$659,699

DELAWARE COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Albany.....	Albany State Bank.....	300 @	\$143 45	\$43,000
Daleville.....	The Commercial Bank.....	120 @	245 43	29,500
Eaton.....	Eaton State Bank.....	250 @	84 69	21,200
	Farmers State Bank.....	300 @	247 57	74,300
Gaston.....	Gaston Banking Co.....	300 @	189 14	56,700
Muncie.....	Delaware County National Bank.....	3,000 @	153 42	460,300
	Farmers Savings Bank.....	750 @	120 74	90,600
	Merchants National Bank.....	4,000 @	103 44	413,800
	Merchants Trust & Savings Co.....	2,000 @	130 82	261,600
	Muncie Banking Co.....	100 @	147 94	14,800
	Peoples Trust Co.....	1,000 @	63 65	63,700
Oakville.....	Farmers State Bank.....	250 @	117 80	29,500
Selma.....	The Bank of Selma.....	100 @	137 00	13,700
Yorktown.....	Yorktown Banking Co.....	100 @	100 10	10,000
Total assessments on stock.....				\$1,582,700
Total deductions for real estate.....				378,172
Total bank valuations.....				\$1,960,872

DUBOIS COUNTY

Birdseye.....	Birdseye National Bank.....	250 @	146 72	36,700
Dubois.....	Farmers State Bank.....	250 @	145 60	36,400
Ferdinand.....	Beckman State Bank.....	250 @	163 16	40,800
Holland.....	Holland National Bank.....	250 @	154 04	38,500
Huntingburg.....	Citizens Trust Co.....	250 @	No Assessment	
	First National Bank.....	500 @	71 24	35,600
	Huntingburg Bank.....	500 @	216 22	108,100
Jasper.....	Farmers & Merchants State Bank.....	250 @	128 44	32,100
	Dubois County State Bank.....	375 @	205 60	77,100
	German-American Bank.....	400 @	125 44	50,200
Total assessments on stock.....				\$455,500
Total deductions for real estate.....				113,908
Total bank valuations.....				\$569,408

ELKHART COUNTY

Bristol.....	Citizens State Bank.....	250 @	\$ 99 64	\$24,900
	Bristol State Bank.....	300 @	149 35	44,800
Elkhart.....	First National Bank.....	1,000 @	128 14	128,100
	First State Bank.....	1,000 @	104 26	104,300
	St. Joseph Valley Bank.....	2,500 @	87 76	219,500
Foraker.....	Farmers & Merchants Bank.....	150 @	77 15	11,600
Goshen.....	City National Bank.....	1,000 @	159 87	159,900
	Salem Bank & Trust Co.....	2,000 @	105 93	211,900
	The State Bank of Goshen.....	800 @	97 20	77,800
Middlebury.....	First State Bank.....	250 @	239 04	59,800
Millersburg.....	Millersburg State Bank.....	250 @	119 80	30,000
Nappanee.....	Farmers & Traders Bank.....	800 @	89 79	71,800
	First National Bank.....	400 @	132 51	54,000
New Paris.....	The New Paris Bank.....	100 @	145 08	14,500
Wakarusa.....	Citizens Bank.....	100 @	95 36	9,500
	Exchange Bank.....	200 @	90 43	18,100
	First National Bank.....	250 @	81 56	20,400
Total assessments on stock.....				\$1,260,900
Total deductions for real estate.....				545,956
Total bank valuations.....				\$1,806,856

FAYETTE COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Connersville.....	Central State Bank.....	1,000 @	\$ 99 46	\$99,500
	Fayette Bank & Trust Co.....	4,000 @	98 21	392,900
	First National Bank.....	2,000 @	100 17	200,300
Bentonville.....	Bentonville State Bank.....	250 @	73 78	18,400
Total assessments on stock.....				\$711,100
Total deductions for real estate.....				253,130
Total bank valuations.....				\$964,230

FLOYD COUNTY

Georgetown.....	Georgetown State Bank.....	250 @	\$121 28	\$30,390
New Albany.....	American Bank & Trust Co.....	3,500 @	131 20	459,200
	Floyd County Bank.....	500 @	137 74	68,900
	Mutual Trust & Deposit Co.....	1,000 @	167 70	167,700
	New Albany National Bank.....	1,000 @	194 46	194,500
	New Albany Trust Co.....	1,000 @	95 39	95,400
	Second National Bank.....	3,000 @	162 50	487,500
Total assessments on stock.....				\$1,503,500
Total deductions for real estate.....				158,510
Total bank valuations.....				\$1,662,010

FOUNTAIN COUNTY

Attica.....	Central National Bank.....	1,000 @	\$118 30	\$118,300
	Farmers & Merchants Bank.....	720 @	127 92	92,100
Cates.....	The Cates Bank.....	100 @	182 41	18,200
Covington.....	Citizens Bank.....	600 @	135 08	81,000
	First National Bank.....	700 @	99 35	69,500
	The Fountain Trust Co.....	250 @	124 64	31,200
Hillsboro.....	Hillsboro State Bank.....	250 @	146 00	36,500
Kingman.....	Citizens State Bank.....	250 @	2 24	600
	Kingman State Bank.....	250 @	92 80	23,200
Mellott.....	The Mellott Bank.....	100 @	157 49	15,700
Newtown.....	The Newtown Bank.....	100 @	283 26	28,300
Veedersburg.....	Farmers State Bank.....	250 @	93 76	23,400
	First National Bank.....	350 @	96 71	33,800
	Veedersburg State Bank.....	250 @	72 84	18,200
Wallace.....	Farmers Bank.....	100 @	127 57	12,800
Yeddo.....	The Yeddo Bank.....	100 @	86 42	8,600
Total assessments on stock.....				\$611,400
Total deductions for real estate.....				185,344
Total bank valuations.....				\$796,744

FRANKLIN COUNTY

Brookville.....	Franklin County National Bank.....	500 @	\$212 37	\$106,200
	National Brookville Bank.....	1,000 @	164 35	164,300
	Peoples Trust Co.....	750 @	130 38	97,800
Cedar Grove.....	Cedar Grove National Bank.....	250 @	107 53	26,900
Laurel.....	Laurel Bank.....	100 @	121 01	12,100
Metamora.....	The Farmers Bank.....	100 @	15 29	1,500
Oldenburg.....	The Farmers & Merchants Bank.....	250 @	145 55	36,400
Total assessments on stock.....				\$445,200
Total deductions for real estate.....				47,971
Total bank valuations.....				\$493,171

FULTON COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Akron.....	Akron Exchange Bank.....	300 @	\$148 81	\$44,600
	State Bank of Akron.....	250 @	16 80	4,200
Fulton.....	Fulton State Bank.....	250 @	134 62	33,700
Grass Creek.....	Citizens Bank.....	120 @	93 08	11,200
Kewanna.....	American National Bank.....	250 @	113 72	28,400
	First State Bank.....	250 @	104 80	26,200
Leiters Ford.....	Leiters Ford Bank.....	250 @	100 00	25,000
Rochester.....	United States Bank & Trust Co.....	750 @	107 37	80,500
	First National Bank.....	500 @	242 82	121,400
Total assessments on stock.....				\$375,200
Total deductions for real estate.....				91,465
Total bank valuations.....				\$466,665

GIBSON COUNTY

Fort Branch.....	Farmers & Merchants National Bank.....	250 @	\$141 20	\$35,300
	First National Bank.....	250 @	104 84	26,200
Francisco.....	Francisco State Bank.....	250 @	154 28	38,600
Haubstadt.....	The Haubstadt Bank.....	250 @	251 72	62,900
Hazleton.....	Citizens State Bank.....	400 @	165 64	66,300
Mackey.....	Mackey State Bank.....	250 @	84 52	21,131
Oakland City.....	Columbia State Bank.....	250 @	148 64	37,200
	First National Bank.....	500 @	135 14	67,800
Owensville.....	First State Bank.....	500 @	83 94	42,000
	Old State Bank.....	300 @	107 52	32,300
Patoka.....	Patoka National Bank.....	250 @	145 96	38,500
Princeton.....	Citizens Trust & Savings Bank.....	500 @	135 30	67,700
	Farmers National Bank.....	1,000 @	123 98	124,000
	Peoples American National Bank.....	1,250 @	179 97	225,000
Total assessments on stock.....				\$882,736
Total deductions for real estate.....				164,405
Total bank valuations.....				\$1,047,141

GRANT COUNTY

Fairmount.....	Citizens State Bank.....	250 @	\$118 44	\$29,600
	Fairmount State Bank.....	400 @	138 24	55,300
Fowlerton.....	Fowlerton Bank.....	100 @	127 65	12,800
Gas City.....	First State Bank.....	250 @	114 44	28,600
Jonesboro.....	Citizens Bank.....	100 @	193 75	19,400
Marion.....	Farmers Trust & Savings Co.....	1,250 @	129 86	162,300
	First National Bank.....	2,000 @	247 66	49,500
	Citizens Trust & Savings Co.....	600 @	125 33	75,200
	Marion State Bank.....	1,500 @	205 95	308,900
	Grant Trust & Savings Co.....	1,500 @	159 05	238,600
	Marion National Bank.....	2,500 @	41 04	102,600
	South Marion State Bank.....	250 @	122 72	30,700
Matthews.....	Farmers State Bank.....	250 @	106 44	26,600
Sweetser.....	Farmers State Bank.....	250 @	173 44	43,400
Swayzee.....	First National Bank.....	500 @	146 90	73,500
Upland.....	Upland State Bank.....	250 @	120 32	30,083
Van Buren.....	Farmers Trust Co.....	300 @	83 95	25,200
	Van Buren State Bank.....	350 @	116 69	40,800
Total assessments on stock.....				\$1,362,700
Total deductions for real estate.....				793,313
Total bank valuations.....				\$2,156,013

GREENE COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Bloomfield.....	Farmers Bank and Trust Co.....	500 @	\$80 15	\$40,100
	Bloomfield State Bank.....	300 @	169 79	50,900
	Citizens State Bank.....	250 @	133 76	33,400
	Bloomfield Trust Co.....	300 @	119 30	35,800
Jasonville.....	The Peoples State Bank.....	350 @	134 36	47,000
	First National Bank.....	500 @	194 00	97,000
	Linton Trust Co.....	500 @	119 00	59,500
Linton.....	First National Bank.....	1,000 @	131 46	131,500
	Peoples Trust Co.....	400 @	37 94	15,200
	Lyons Bank & Trust Co.....	250 @	83 12	20,800
Lyons.....	Corn Exchange Bank.....	250 @	111 48	27,900
	Farmers Bank.....	100 @	200 00	20,000
Marco.....	Citizens Bank.....	100 @	222 56	22,300
Newberry.....	Switz City Bank.....	100 @	66 67	6,700
Switz City.....	Worthington Exchange State Bank.....	300 @	124 99	37,500
Worthington.....	Worthington Trust Co.....	500 @	115 40	57,700

Total assessments on stock.....	\$703,300
Total deductions for real estate.....	138,476

Total bank valuations..... \$841,776

HAMILTON COUNTY

Arcadia.....	Central Bank.....	100 @	\$114 77	\$11,500
	First National Bank.....	250 @	98 68	24,700
Atlanta.....	State Bank of Atlanta.....	250 @	113 52	28,400
	Citizens State Bank.....	250 @	97 44	24,400
Cicero.....	Citizens National Bank.....	300 @	102 86	30,900
Fishers.....	Fishers National Bank.....	250 @	93 00	23,300
Jolietville.....	Citizens Bank.....	100 @	73 00	7,300
Noblesville.....	American National Bank.....	500 @	154 72	77,400
	Citizens State Bank.....	1,000 @	161 02	161,000
	Noblesville Trust Co.....	250 @	94 20	23,600
	Wainwright Trust Co.....	1,000 @	124 70	124,700
	First National Bank.....	625 @	113 66	71,000
Sheridan.....	American State Bank.....	400 @	129 19	51,700
	Farmers National Bank.....	600 @	143 73	86,200
	First National Bank.....	750 @	90 59	67,900
Westfield.....	State Bank of Westfield.....	250 @	137 44	34,400

Total assessments on stock.....	\$848,400
Total deductions for real estate.....	174,220

Total bank valuations..... \$1,022,620

HANCOCK COUNTY

Charlottesville.....	Citizens Bank.....	150 @	125 97	18,900
Fortville.....	The Fortville State Bank.....	250 @	141 98	35,500
	First National Bank.....	250 @	135 20	33,800
Greenfield.....	Capital State Bank.....	500 @	43 33	21,700
	Greenfield Banking Co.....	500 @	178 11	89,100
	Citizens Bank.....	500 @	110 35	55,200
Mohawk.....	Mohawk Bank.....	250 @	104 96	26,200
New Palestine.....	New Palestine Bank.....	200 @	152 68	30,500
Wilkinson.....	Farmers National Bank.....	250 @	211 72	52,900
Willow Branch.....	Willow Branch State Bank.....	250 @	104 38	26,100

Total assessments on stock.....	\$389,900
Total deductions for real estate.....	86,069

Total bank valuations..... \$475,969

HARRISON COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Crandall.....	Harrison County Bank.....	250 @	\$104 08	\$26,000
Palmyra.....	Citizens Bank.....	150 @	285 11	42,800
Corydon Junction, (P. O. New Salisbury).....	Jackson Township Bank.....	150 @	108 31	16,200
Lanesville.....	Farmers State Bank.....	250 @	156 46	39,100
Total assessments on stock.....				\$124,100
Total deductions for real estate.....				5,800
Total bank valuations.....				\$129,900

HENDRICKS COUNTY

Amo.....	First National Bank.....	250 @	\$162 48	\$40,600
Brownsburg.....	Hunter Bank.....	100 @	306 70	30,700
	Brownsburg State Bank.....	250 @	163 40	40,900
Clayton.....	Clayton State Bank.....	250 @	136 20	34,100
	Peoples Bank & Trust Co.....	250 @	121 00	30,300
Coatesville.....	Coatesville State Bank.....	250 @	93 60	23,400
	First National Bank.....	250 @	184 16	46,000
Danville.....	Danville State Bank.....	250 @	223 16	55,800
	The Danville Trust Co.....	250 @	120 00	30,000
	First National Bank.....	1,000 @	144 00	144,000
Hazelwood.....	Farmers Bank.....	100 @	202 87	20,300
Lizton.....	State Bank of Lizton.....	250 @	123 12	30,800
North Salem.....	The North Salem Bank.....	100 @	244 00	24,400
Plainfield.....	Citizens State Bank.....	250 @	217 60	54,400
	First National Bank.....	250 @	234 84	55,700
Pittsboro.....	Pittsboro State Bank.....	250 @	137 32	34,300
Stilesville.....	Citizens State Bank.....	250 @	127 24	31,800
	Tri-County Bank.....	100 @	106 67	10,700
Total assessments on stock.....				\$738,200
Total deductions for real estate.....				51,461
Total bank valuations.....				\$789,661

HENRY COUNTY

Blountsville.....	Blountsville Bank.....	110 @	\$215 63	\$23,700
Kennard.....	Kennard Bank.....	110 @	179 43	19,700
Knights town.....	Citizens National Bank.....	500 @	217 46	108,700
	First National Bank.....	500 @	325 78	162,900
Newcastle.....	Farmers First Trust Co.....	No Assessment.		
Lewisville.....	First National Bank.....	350 @	231 72	81,100
Middletown.....	Middletown State Bank.....	250 @	64 80	16,200
	The Farmers State Bank.....	300 @	137 06	41,100
Mooreland.....	Mooreland State Bank.....	300 @	159 69	47,900
	Farmers Bank.....	150 @	93 60	14,000
Mount Summit.....	The Mount Summit Bank.....	100 @	208 91	20,900
Newcastle.....	Citizens State Bank.....	1,300 @	196 76	255,800
	Central Trust & Savings Co.....	750 @	131 32	98,500
	Farmers National Bank.....	1,000 @	126 20	126,200
	First National Bank.....	1,000 @	131 75	131,700
New Lisbon.....	The Farmers Bank.....	130 @	165 95	21,600
Shirley.....	Citizens State Bank.....	250 @	191 04	47,800
Straughn.....	The Peoples Bank.....	100 @	114 85	11,500
Springport.....	Springport Bank.....	100 @	69 31	6,900
Spiceland.....	The Henry County Bank.....	100 @	232 73	23,300

BOARD OF TAX COMMISSIONERS

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HENRY COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Sulphur Springs.....	The Sulphur Springs Bank.....	100 @	126 00	12,600
	Peoples Bank.....	100 @	84 65	8,500
Total assessments on stock.....				\$1,280,600
Total deductions for real estate.....				148,584
Total bank valuations.....				\$1,429,184

HOWARD COUNTY

Greentown.....	The State Bank of Greentown.....	400 @	176 08	\$70,400
Hemlock.....	Hemlock State Bank.....	250 @	71 99	18,000
Kokomo.....	American Trust Company.....	1,000 @	159 07	159,100
	Farmers Trust & Savings Bank.....	1,500 @	137 83	206,800
	Kokomo Trust Company.....	1,000 @	168 28	168,300
	South Kokomo Bank.....	250 @	134 82	33,700
	Citizens National Bank.....	250 @	140 92	352,300
	Howard National Bank.....	2,000 @	131 31	262,600
	Peoples Trust & Savings Bank.....	1,000 @	98 55	98,500
Russiaville.....	First National Bank.....	250 @	210 18	52,500
Total assessments on stock.....				\$1,422,200
Total deductions for real estate.....				442,878
Total bank valuations.....				\$1,865,078

HUNTINGTON COUNTY

Andrews.....	State Bank of Andrews.....	250 @	\$154 44	\$38,600
Bippus.....	Bippus State Bank.....	250 @	130 37	32,600
Huntington.....	Citizens State Bank.....	1,000 @	147 20	147,200
	Huntington Trust & Savings Bank.....	1,000 @	123 10	123,100
	Farmers Trust Company.....	500 @	65 20	32,600
	First National Bank.....	1,000 @	187 42	187,400
	Huntington County State Bank.....	1,000 @	174 85	174,800
Markle.....	Farmers & Traders Bank.....	250 @	200 65	50,200
Roanoke.....	First National Bank.....	300 @	71 33	21,400
	Farmers State Bank.....	300 @	87 45	26,200
Warren.....	Exchange Bank.....	500 @	183 19	91,600
	First National Bank.....	250 @	142 00	35,500
Total assessments on stock.....				\$961,200
Total deductions for real estate.....				186,132
Total bank valuations.....				\$1,147,332

JACKSON COUNTY

Brownstown.....	First National Bank.....	500 @	\$127 42	\$63,700
	Brownstown Loan & Trust Co.....	400 @	92 14	36,900
	Citizens State Bank.....	250 @	160 88	40,200
Crothersville.....	Crothersville State Bank.....	300 @	122 13	36,600
	Citizens State Bank.....	250 @	99 44	24,900
Freetown.....	Farmers Bank.....	100 @	97 09	9,700
Medora.....	Medora State Bank.....	450 @	142 86	64,300
Seymour.....	Jackson County Loan & Trust Co.....	600 @	45 33	27,200
	First National Bank.....	1,000 @	163 50	163,500
	Seymour National Bank.....	1,000 @	148 00	148,000
Vallonia.....	Vallonia State Bank.....	250 @	170 56	42,600
Total assessments on stock.....				\$657,600
Total deductions for real estate.....				93,567
Total bank valuations.....				\$751,167

JASPER COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
DeMotte.....	Bank of DeMotte.....	100 @	\$105 30	\$10,500
Remington.....	Farmers National Bank.....	300 @	101 10	30,300
.....	State Bank of Remington.....	300 @	115 94	34,800
Rensselaer.....	Farmers & Merchants National Bank.....	750 @	60 04	45,000
.....	State Bank of Rensselaer.....	750 @	153 20	114,900
.....	Trust & Savings Bank.....	1,000 @	115 17	115,167
.....	First National Bank.....	1,200 @	76 25	91,500
Wheatfield.....	Bank of Wheatfield.....	130 @	20 30	2,600
Total assessments on stock.....				\$444,767
Total deductions for real estate.....				155,385
Total bank valuations.....				\$600,152

JAY COUNTY

Bryant.....	Farmers & Merchants Bank.....	250 @	\$76 54	\$19,100
Dunkirk.....	First State Bank.....	600 @	119 33	71,600
Pennville.....	Peoples State Bank.....	250 @	95 20	23,800
.....	Pennville Bank.....	250 @	102 13	25,500
Portland.....	Citizens Bank.....	1,000 @	161 60	161,600
.....	Farmers State Bank.....	350 @	98 00	34,300
.....	Peoples Bank.....	500 @	341 22	170,600
.....	Jay County Trust & Savings Co.....	250 @	131 24	32,800
.....	First National Bank.....	500 @	132 67	66,300
Red Key.....	Bank of Red Key.....	430 @	83 72	36,000
.....	Farmers State Bank.....	350 @	52 95	18,500
Salamonia.....	Farmers Bank of Salamonia.....	140 @	91 76	12,600
Total assessments on stock.....				\$672,700
Total deductions for real estate.....				104,380
Total bank valuations.....				\$777,080

JEFFERSON COUNTY

Deputy.....	Jefferson County Bank.....	150 @	177 38	26,600
Dupont.....	Dupont State Bank.....	250 @	124 20	31,100
Hanover.....	Hanover Deposit Bank.....	250 @	106 96	26,700
Madison.....	National Branch Bank.....	1,500 @	\$248 59	\$372,900
.....	Madison Safe Deposit Trust Co.....	750 @	299 96	225,000
.....	First National Bank.....	1,000 @	129 56	129,600
North Madison.....	North Madison State Bank.....	250 @	90 16	22,500
Total assessments on stock.....				\$834,400
Total deductions for real estate.....				26,615
Total bank valuations.....				\$861,015

JENNINGS COUNTY

Butlerville.....	Butlerville State Bank.....	250 @	\$154 00	\$38,500
Commiskey.....	Citizens Bank.....	100 @	130 73	13,100
North Vernon.....	First National Bank.....	600 @	198 88	118,300
.....	North Vernon National Bank.....	500 @	151 92	76,000
Paris Crossing.....	Paris Crossing State Bank.....	250 @	138 00	34,500
Scipio.....	Amick's Bank.....	100 @	102 35	10,200
Vernon.....	First National Bank.....	500 @	123 62	61,800
Total assessments on stock.....				\$352,400
Total deductions for real estate.....				65,976
Total bank valuations.....				\$418,376

JOHNSON COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Bargersville.....	Farmers State Bank.....	250 @	\$190 66	\$47,700
Edinburg.....	Thompson State Bank.....	1,000 @	141 98	142,000
	Farmers National Bank.....	250 @	193 47	48,400
Franklin.....	Union Trust Co.....	300 @	160 52	48,200
	Farmers Trust Co.....	400 @	128 28	51,300
	Citizens National Bank.....	1,000 @	130 90	130,900
	Franklin National Bank.....	1,250 @	108 48	135,600
Greenwood.....	Citizens National Bank.....	250 @	239 02	59,800
	First National Bank.....	250 @	288 40	72,100
Needham.....	Farmers & Traders Bank.....	250 @	92 80	23,200
Trafalgar.....	Farmers National Bank.....	250 @	131 94	33,000
Whiteland.....	Whiteland National Bank.....	250 @	130 00	32,500
Total assessments on stock.....				\$824,700
Total deductions for real estate.....				81,711
Total bank valuations.....				\$906,411

KNOX COUNTY

Bicknell.....	Citizens Bank.....	350 @	\$151 48	\$53,000
	Bicknell Trust & Savings Co.....	250 @	131 16	32,800
	First National Bank.....	300 @	122 60	36,800
Bruceville.....	Bruceville State Bank.....	250 @	139 80	35,000
Decker.....	Farmers & Merchants Bank.....	250 @	106 76	26,700
Edwardsport.....	Edwardsport Bank.....	250 @	107 76	26,900
Freelandville.....	Freelandville Bank.....	250 @	119 48	29,900
Monroe City.....	Monroe City State Bank.....	250 @	92 56	23,100
Oaktown.....	Oaktown Bank.....	400 @	128 10	51,300
Sandborn.....	Sandborn Banking Co.....	250 @	219 48	54,900
	Renner's Bank.....	150 @	180 60	27,100
Vincennes.....	Harrison Bank & Trust Co.....	1,000 @	29 00	29,000
	Citizens Trust Co.....	1,000 @	118 80	118,800
	Knox Bank & Trust Co.....	1,000 @	124 40	124,400
	North Side State Bank.....	250 @	52 20	13,100
	American National Bank.....	3,250 @	162 12	526,900
	First National Bank.....	1,000 @	203 24	203,200
Wheatland.....	Farmers & Merchants Bank.....	100 @	197 70	19,800
Total assessments on stock.....				\$1,432,700
Total deductions for real estate.....				462,626
Total bank valuations.....				\$1,895,326

KOSCIUSKO COUNTY

Atwood.....	Atwood Bank.....	150 @	\$ 80 00	\$12,000
Burket.....	Bank of Seward.....	100 @	150 42	15,000
Claypool.....	State Bank of Claypool.....	250 @	120 20	30,100
Etna Green.....	Etna Bank.....	250 @	194 04	48,500
Leesburg.....	Peoples State Bank.....	250 @	143 08	35,800
Mantone.....	Farmers State Bank.....	750 @	130 11	97,600
Milford.....	Farmers State Bank.....	250 @	110 72	27,700
	Citizens State Bank.....	250 @	101 60	25,400
North Webster.....	Farmers State Bank of North Webster.....	250 @	104 40	26,100
Pierceton.....	State Bank of Pierceton.....	400 @	119 49	47,800
Silver Lake.....	Commercial State Bank.....	250 @	107 40	26,900
Sidney.....	Sidney State Bank.....	250 @	92 84	23,200
Syracuse.....	State Bank of Syracuse.....	350 @	144 64	50,600

KOSCIUSKO COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Warsaw.....	Lake City State Bank.....	500 @	90 48	45,200
	State Bank of Warsaw.....	1,000 @	121 07	121,100
	Indiana Loan & Trust Co.....	500 @	187 16	93,600
Total assessments on stock.....				\$726,600
Total deductions for real estate.....				86,425
Total bank valuations.....				\$813,025

LAGRANGE COUNTY

LaGrange.....	LaGrange State Bank.....	500 @	\$177 11	\$88,600
	LaGrange County Trust Co.....	600 @	99 93	60,000
	National Bank of LaGrange.....	500 @	214 07	107,000
Howe Postoffice, Lima.....	State Bank of Lima.....	400 @	147 64	59,100
Mongo.....	Mongo State Bank.....	250 @	114 06	28,500
South Milford.....	Peoples State Bank.....	250 @	108 56	27,100
Shipshewana.....	Farmers State Bank.....	250 @	154 86	38,700
Stroh.....	Farmers State Bank.....	250 @	123 00	30,800
Topeka.....	Farmers State Bank.....	400 @	105 84	42,300
	State Bank of Topeka.....	400 @	117 16	46,900
	Wildman's State Bank.....	250 @	88 03	22,000
Wolcottville.....	State Bank of Wolcottville.....	250 @	143 27	35,800
Total assessments on stock.....				\$586,800
Total deductions for real estate.....				77,771
Total bank valuations.....				\$664,571

LAKE COUNTY

Crown Point.....	Commercial Bank.....	600 @	\$168 92	\$101,400
	Peoples State Bank.....	600 @	208 69	125,200
	First National Bank.....	500 @	204 76	102,400
Dyer.....	First National Bank.....	250 @	270 52	67,600
East Chicago.....	American State Bank.....	500 @	141 48	70,800
	East Chicago State Bank.....	500 @	35 00	17,500
	First Calumet Trust & Savings Co.....	500 @	266 64	133,300
	First Trust & Savings Bank.....	500 @	143 48	71,700
	First National Bank.....	1,000 @	88 52	88,500
Gary.....	Mid-City State Bank.....	250 @	110 48	27,600
	Bankers Trust Co.....	2,975 @	58 78	174,900
	Gary State Bank.....	2,000 @	81 51	163,100
	Gary Trust & Savings Bank.....	1,000 @	162 71	16,300
	Peoples State Bank.....	500 @	110 00	55,000
	South Side Trust & Savings Co.....	750 @	27 92	20,900
	American State Bank.....	250 @	91 32	22,800
	First National Bank.....	2,000 @	123 19	246,400
	National Bank of America.....	1,000 @	150 31	15,000
	Griffith State Bank.....	250 @	113 08	28,300
Hammond.....	American Trust & Savings Bank.....	1,000 @	58 58	58,600
	Hammond Trust & Savings Bank.....	1,000 @	126 22	126,200
	State Bank of Hammond.....	250 @	131 60	32,900
	First Trust & Savings Co.....	1,250 @	195 66	244,600
	Standard Trust & Savings Bank.....	250 @	135 96	34,000
	Northern Trust & Savings Co.....	250 @	132 00	33,000
	Peoples Co-operative State Bank.....	500 @	111 78	55,900
	Citizens National Bank.....	1,000 @	168 80	168,800
	First National Bank.....	2,500 @	199 36	498,500
	Farmers & Merchants Bank.....	120 @	119 78	14,400

LAKE COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Hobart.....	First State Bank.....	250 @	136 00	34,000
	Hobart Bank.....	100 @	65 58	6,600
	American Trust & Savings Bank.....	300 @	20 21	6,100
Indiana Harbor.....	Citizens Trust & Savings Bank.....	500 @	78 82	39,400
	Indiana Harbor National Bank.....	1,000 @	210 20	210,200
	United States National Bank.....	1,000 @	128 22	128,200
Lowell.....	First National Bank.....	500 @	163 76	81,900
	Lowell National Bank.....	500 @	190 94	95,500
Tolleston.....	First State Bank.....	250 @	72 20	18,100
Whiting.....	Bank of Whiting.....	1,000 @	175 44	175,400
	First Trust & Savings Bank.....	500 @	65 26	32,600
	Central State Bank.....	500 @	118 08	59,000
	American Trust & Savings Bank.....	500 @	110 32	55,200
	First National Bank.....	500 @	155 40	77,700
Total assessments on stock.....				\$3,835,500
Total deductions for real estate.....				1,063,914
Total bank valuations.....				\$4,899,414

LAPORTE COUNTY

Hanna.....	Farmers & Merchants Bank.....	100 @	\$147 60	\$14,800
Lacrosse.....	Citizens State Bank.....	250 @	174 02	43,500
Laporte.....	A. P. Andrew, Jr., & Son Bank.....	1,000 @	239 27	239,300
	Bank of the State of Indiana.....	1,000 @	182 88	182,900
	Laporte Loan & Trust Co.....	500 @	144 60	72,300
	Peoples Trust & Savings Bank.....	1,000 @	145 79	145,800
	First National Bank.....	2,500 @	93 88	234,700
Michigan City.....	Citizens Bank.....	1,000 @	133 60	133,600
	Michigan City Trust & Savings Co.....	500 @	59 03	29,500
	First National Bank.....	1,250 @	80 40	100,500
	Merchants National Bank.....	1,000 @	100 47	100,500
Rolling Prairie.....	Peoples Bank.....	150 @	79 87	12,000
Union Mills.....	Union State Bank.....	250 @	129 06	32,300
Wanatah.....	Wanatah State Bank.....	250 @	108 88	27,200
Westville.....	Bank of Westville.....	100 @	150 05	15,000
Total assessments on stock.....				\$1,383,900
Total deductions for real estate.....				448,600
Total bank valuations.....				\$1,832,500

LAWRENCE COUNTY

Bedford.....	Citizens National Bank.....	1,000 @	\$145 31	\$145,300
	Stone City Bank.....	750 @	102 97	77,200
	Bedford National Bank.....	1,000 @	128 73	128,700
	Citizens Trust Company.....	500 @	163 00	81,500
Mitchell.....	Bank of Mitchell.....	250 @	115 52	28,900
	First National Bank.....	250 @	196 02	49,000
Total assessments on stock.....				\$510,600
Total deductions for real estate.....				119,076
Total bank valuations.....				\$629,670

MADISON COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Alexandria	Alexandria Bank	115 @	\$356 26	\$41,000
	Commercial Bank & Trust Co.	250 @	196 40	49,100
	Peoples Trust Company	250 @	106 00	26,500
Anderson	Farmers Trust Company	2,000 @	123 43	246,900
	Anderson Trust Co.	1,000 @	185 44	185,400
	Madison County Trust Co.	250 @	112 46	28,100
	Citizens Bank	1,250 @	156 18	195,200
	Anderson Banking Co.	2,500 @	134 80	337,000
	National Exchange Bank	1,000 @	143 15	143,200
Elwood	Citizens State Bank	1,000 @	58 05	58,100
	Elwood Trust Co.	500 @	142 43	71,200
	First National Bank	500 @	102 00	51,000
	Elwood State Bank	750 @	143 53	107,700
Frankton	Frankton Bank	170 @	172 52	29,300
Lapel	State Bank of Lapel	250 @	105 17	26,300
Markleville	Markleville State Bank	250 @	117 64	29,400
Pendleton	Pendleton Banking Co.	500 @	116 38	58,200
	Pendleton Trust Co.	250 @	91 08	22,800
Summitville	Farmers State Bank	250 @	107 55	26,900
	Summitville Bank & Trust Co.	350 @	144 51	50,600
Total assessments on stock				\$1,783,900
Total deductions for real estate				187,212
Total bank valuations				\$1,971,112

MARION COUNTY

Acton	Acton State Bank	250 @	\$143 36	\$35,800
Bridgeport	Bridgeport Bank	100 @	68 06	6,800
Broad Ripple	Broad Ripple State Bank	250 @	170 68	42,700
Clermont	Clermont State Bank	250 @	66 16	16,500
Cumberland	Cumberland Bank	150 @	130 54	19,600
Indianapolis	Citizens State Bank	500 @	143 94	72,000
	Irrington State Bank	500 @	62 80	31,400
	East Side State Bank	264 @	100 00	26,400
	Fletcher Joint Stock Land Bank	18 @	5 40	100
	State Bank of Massachusetts Avenue	250 @	100 00	25,000
	Fountain Square State Bank	1,000 @	119 00	119,000
	Live Stock Exchange Bank	1,000 @	298 36	298,400
	Commercial National Bank	3,000 @	111 51	334,500
	Continental National Bank	4,000 @	144 97	579,900
	Fletcher American National Bank	20,000 @	134 82	2,696,500
	Indiana National Bank	20,000 @	180 76	3,615,300
	Marion County State Bank	250 @	161 28	40,300
	*Merchants National Bank	10,000 @	128 21	1,282,100
	Meyer-Kiser Bank	2,000 @	168 40	336,800
	National City Bank	10,000 @	128 16	1,281,700
	Northwestern State Bank	1,000 @	29 20	29,200
	Peoples State Bank	1,000 @	48 40	48,400
	South Side State Bank	500 @	93 16	46,600
	J. F. Wild & Company's Bank	1,000 @	202 88	202,900
	Aetna Trust & Savings Co.	2,500 @	93 72	234,400
	Bankers Trust Company	2,500 @	72 04	180,100
	City Trust Company	1,136 @	114 96	130,600
	Farmers Trust Company	2,000 @	168 30	336,600
	*Fletcher Savings & Trust Co.	15,000 @	95 73	1,436,000
	*Fidelity Trust Co.	1,000 @	83 30	83,300
	Indiana Trust Co.	10,000 @	131 66	1,316,600
	Security Trust Co.	2,000 @	151 72	303,400

MARION COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
	State Savings & Trust Co.	7,500 @	93 50	701,300
	Union Trust Company.	6,000 @	245 65	1,473,900
	*Washington Bank & Trust Co.	1,000 @	Nothing.	
	Brightwood State Bank.	250 @	126 40	31,600
Lawrence.	Lawrence State Bank.	250 @	93 44	23,400
New Augusta.	New Augusta State Bank.	250 @	121 80	30,500
Oaklandon.	Oaklandon State Bank.	250 @	111 20	27,800
Southport.	Citizens Bank.	100 @	187 34	18,700
Wanamaker.	Wanamaker State Bank.	250 @	100 96	25,200
Total assessments on stock.				\$17,541,300
Total deductions for real estate.				4,811,368
Total bank valuations.				\$22,352,668

*On account of pending litigation over the question of deduction of real estate, the Board has withheld from certification (and which were tentatively assessed in addition to the above) the following amounts:

<i>Name</i>	<i>Amount Withheld</i>
Merchants National Bank, Indianapolis.	\$1,015,500
Fidelity Trust Company, Indianapolis.	95,000
Fletcher Savings & Trust Co., Indianapolis.	678,354
Washington Bank & Trust Co., Indianapolis.	145,700

MARSHALL COUNTY

Argos.	Citizens State Bank.	250 @	\$144 21	\$36,100
	First National Bank.	250 @	64 29	16,100
Bourbon.	Bourbon Banking Co.	300 @	114 33	34,300
	First State Bank.	400 @	371 00	148,400
Bremen.	Bremen State Bank.	300 @	123 00	36,900
	Union State Bank.	500 @	156 58	78,300
Culver.	State Exchange Bank.	600 @	149 26	89,600
Lapaz.	Farmers State Bank.	250 @	108 09	27,000
Plymouth.	Marshall County Trust & Savings Co.	400 @	41 37	16,500
	First National Bank.	650 @	215 85	140,300
	Plymouth State Bank.	750 @	189 46	142,100
Tippecanoe.	Tippecanoe State Bank.	250 @	97 27	24,300
Tyner.	Farmers State Bank.	250 @	81 62	20,400
Total assessments on stock.				\$810,300
Total deductions for real estate.				197,590
Total bank valuations.				\$1,007,890

MARTIN COUNTY

Loogootee.	First National Bank.	250 @	\$156 69	\$39,200
Shoals.	Martin County Bank.	250 @	233 76	58,900
Total assessments on stock.				\$98,100
Total deductions for real estate.				10,227
Total bank valuations.				\$108,327

MIAMI COUNTY

Amboy.	Amboy State Bank.	250 @	\$111 36	\$27,800
Bunker Hill.	Farmers State Bank.	250 @	95 80	24,000
Converse.	First National Bank.	400 @	62 45	25,000
	Farmers State Bank.	250 @	121 24	30,300
Denver.	Citizens State Bank.	250 @	97 04	24,300
Macy.	Citizens Bank.	100 @	136 39	13,600

MIAMI COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Mexico.....	Farmers State Bank.....	250 @	120 28	30,100
Miami.....	Farmers State Bank.....	250 @	89 08	22,300
Peru.....	Peru Trust Co.....	1,000 @	139 28	139,300
	Wabash Valley Trust Co.....	1,500 @	111 55	167,300
	Citizens National Bank.....	1,000 @	132 40	132,400
	First National Bank.....	1,000 @	169 26	169,300
Total assessments on stock.....				\$805,700
Total deductions for real estate.....				195,320
Total bank valuations.....				\$1,001,020

MONROE COUNTY

Bloomington.....	Monroe County State Bank.....	1,000 @	\$116 51	\$116,500
	Citizens Loan & Trust Co.....	550 @	252 96	139,100
	Bloomington National Bank.....	1,000 @	112 98	113,000
	Showers Brothers Savings Bank.....	100 @	152 96	15,300
	First National Bank.....	1,200 @	191 39	229,700
Ellettsville.....	Peoples State Bank.....	250 @	139 80	37,500
Total assessments on stock.....				\$651,100
Total deductions for real estate.....				19,737
Total bank valuations.....				670,837

MONTGOMERY COUNTY

Browns Valley.....	Browns Valley Bank.....	125 @	139 77	17,500
Crawfordsville.....	Crawfordsville State Bank.....	1,200 @	154 41	185,300
	Crawfordsville Trust Co.....	1,000 @	144 94	144,900
	Farmers & Merchants Trust Co.....	600 @	171 48	102,900
	Citizens National Bank.....	1,000 @	193 85	193,800
	Union Trust Co.....	250 @	105 33	26,300
	Elston National Bank.....	1,000 @	255 87	255,900
	First National Bank.....	1,000 @	294 55	294,500
Darlington.....	Farmers & Merchants State Bank.....	250 @	141 05	35,300
	Darlington State Bank.....	250 @	168 24	42,100
	Peoples Banking Co.....	179 @	123 91	22,200
Kirkpatrick.....	Bank of Kirkpatrick.....	100 @	89 50	8,900
Ladoga.....	Citizens State Bank.....	500 @	177 12	88,600
Linden.....	Linden State Bank.....	300 @	147 83	44,400
Linnsburg.....	Linnsburg State Bank.....	250 @	121 20	30,300
New Market.....	Farmers State Bank.....	250 @	266 72	66,700
New Richmond.....	Corn Exchange State Bank.....	400 @	110 50	44,200
New Ross.....	Citizens Bank.....	100 @	235 77	23,600
	Farmers State Bank.....	250 @	95 64	23,900
Waveland.....	State Bank of Waveland.....	250 @	249 66	62,400
Waynetown.....	Farmers & Merchants Bank.....	180 @	125 86	22,700
	Waynetown State Bank.....	300 @	227 88	68,400
Wingate.....	Farmers State Bank.....	500 @	186 13	93,100
Total assessments on stock.....				\$1,897,900
Total deductions for real estate.....				158,152
Total bank valuations.....				\$2,056,052

MORGAN COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessmen</i>
Brooklyn.....	Peoples Deposit Bank.....	100 @	\$164 84	\$16,484
Eminence.....	Farmers State Bank.....	250 @	138 80	34,704
Hall.....	Farmers Bank.....	100 @	67 00	6,700
Martinsville.....	Martinsville Trust Co.....	250 @	111 80	27,953
	Citizens National Bank.....	1,000 @	147 13	147,131
	First National Bank.....	1,000 @	173 21	173,210
Monrovia.....	First National Bank.....	300 @	74 23	22,271
Mooreville.....	Farmers State Bank.....	350 @	208 00	72,800
	First National Bank.....	500 @	159 53	79,767
Morgantown.....	First National Bank.....	250 @	230 96	57,745
	Farmers Trust Co.....	250 @	88 56	22,150
Paragon.....	The Paragon State Bank.....	250 @	125 52	31,384
Waverly.....	Waverly Bank.....	100 @	89 71	8,971
Total assessments on stock.....				\$701,271
Total deductions for real estate.....				167,019
Total bank valuations.....				\$868,290

NEWTON COUNTY

Brook.....	Bank of Brook.....	540 @	\$153 23	\$82,748
Goodland.....	State Trust & Savings Bank.....	250 @	139 76	34,941
	First National Bank.....	500 @	131 74	65,873
Kentland.....	Kent State Bank.....	500 @	190 00	95,000
	Discount Deposit Bank.....	700 @	129 34	90,541
Morocco.....	Citizens State Bank.....	260 @	173 08	45,000
	Farmers State Bank.....	260 @	147 14	38,257
Mount Ayr.....	State Bank of Mount Ayr.....	400 @	117 23	46,890
Total assessments on stock.....				\$499,251
Total deductions for real estate.....				83,074
Total bank valuations.....				\$582,325

NOBLE COUNTY

Albion.....	Albion National Bank.....	250 @	\$138 44	\$34,612
	Farmers State Bank.....	350 @	146 74	51,362
Avilla.....	Merchants & Farmers Bank.....	250 @	128 00	32,000
Cromwell.....	Cromwell State Bank.....	250 @	157 00	39,251
	Sparta State Bank.....	275 @	75 99	20,898
Kendallville.....	Noble County Bank.....	1,000 @	123 05	123,047
	Campbell & Fetter Bank.....	500 @	93 52	46,765
	Kendallville Trust Co.....	250 @	107 68	26,922
Kimmell.....	State Bank of Kimmell.....	250 @	77 00	19,254
LaOtto.....	Farmers & Merchants Bank.....	150 @	127 44	19,116
Ligonier.....	Mier State Bank.....	1,000 @	140 10	140,100
	Citizens Bank.....	1,000 @	119 52	119,523
	Farmers & Merchants Trust Co.....	500 @	132 96	66,487
Wawaka.....	Farmers State Bank.....	250 @	89 40	22,350
Wolf Lake.....	Wolf Lake State Bank.....	250 @	92 28	23,075
Total assessments on stock.....				\$784,764
Total deductions for real estate.....				178,177
Total bank valuations.....				\$962,941

OHIO COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Rising Sun.....	Rising Sun State Bank.....	400 @	149 43	59,772
	Farmers Trust Co.....	250 @	125 57	31,394
	National Bank of Rising Sun.....	1,000 @	137 92	137,920
Total assessments on stock.....				\$229,086
Total deductions for real estate.....				13,517
Total bank valuations.....				\$242,603

ORANGE COUNTY

French Lick.....	French Lick State Bank.....	500 @	\$141 57	\$70,800
Leipsic.....	Farmers State Bank.....	250 @	83 60	20,900
Orleans.....	Citizens State Bank.....	300 @	110 46	33,139
	National Bank of Orleans.....	550 @	111 26	61,200
Paoli.....	Paoli State Bank.....	400 @	144 18	57,700
	Orange County Bank.....	250 @	107 23	26,800
West Baden.....	West Baden National Bank.....	500 @	181 00	90,500
Total assessments on stock.....				\$361,039
Total deductions for real estate.....				68,708
Total bank valuations.....				\$429,747

OWEN COUNTY

Gosport.....	Gosport Bank.....	100 @	135 80	13,600
	Gosport State Bank.....	250 @	91 40	22,900
Patrickburg.....	Patrickburg Bank.....	100 @	193 52	19,400
Spencer.....	Exchange Bank.....	500 @	96 94	48,500
	Spencer National Bank.....	500 @	150 12	75,100
Total assessments on stock.....				\$179,500
Total deductions for real estate.....				33,300
Total bank valuations.....				\$212,800

PARKE COUNTY

Bloomington.....	Bank of Bloomington.....	100 @	\$142 18	\$14,200
Marshall.....	Citizens Bank.....	200 @	131 19	26,200
Mecca.....	Mecca Bank.....	100 @	166 09	16,600
Montezuma.....	State Bank of Montezuma.....	250 @	114 24	28,600
	First National Bank.....	250 @	116 68	29,200
Rockville.....	Parke State Bank.....	750 @	166 58	124,900
	Rockville National Bank.....	500 @	231 50	115,800
Rosedale.....	Rosedale National Bank.....	250 @	113 68	28,400
Bridgeton.....	Bridgeton Bank.....	100 @	105 87	10,600
Total assessments on stock.....				\$294,500
Total deductions for real estate.....				49,060
Total bank valuations.....				\$343,560

PERRY COUNTY

Cannelton.....	Cannelton National Bank.....	250 @	163 01	40,800
	First National Bank.....	250 @	101 44	25,400
Tell City.....	Citizens National Bank.....	500 @	89 66	44,800
	Tell City National Bank.....	500 @	167 88	83,900
Troy.....	Troy State Bank.....	250 @	62 46	15,600
Total assessments on stock.....				\$210,500
Total deductions for real estate.....				50,645
Total bank valuations.....				\$261,145

PIKE COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Otwell.....	Otwell State Bank.....	250 @	\$146 31	\$36,600
Petersburg.....	Citizens State Bank.....	400 @	201 01	80,400
	Peoples Loan & Trust Co.....	250 @	100 94	25,200
	First National Bank.....	500 @	182 09	91,000
Spurgeon.....	First National Bank.....	250 @	70 40	17,600
Winslow.....	First National Bank.....	250 @	175 40	43,900
Total assessments on stock.....				\$294,700
Total deductions for real estate.....				26,978
Total bank valuations.....				\$321,678

PORTER COUNTY

Chesterton.....	Chesterton Bank.....	250 @	\$188 36	\$47,100
Hebron.....	The Citizens Bank.....	500 @	147 42	73,700
Porter.....	First State Bank of Porter.....	250 @	66 92	16,700
Kouts.....	Porter County State Bank.....	250 @	50 48	12,600
Valparaiso.....	Citizens Savings & Trust Co.....	500 @	126 48	63,200
	State Bank of Valparaiso.....	1,000 @	116 85	116,900
	First Trust Co.....	250 @	195 44	48,900
	Thrift Trust Co.....	500 @	145 38	72,700
	Farmers State Bank.....	750 @	147 47	110,600
	Valparaiso National Bank.....	1,000 @	154 95	155,000
Total assessments on stock.....				\$717,400
Total deductions for real estate.....				81,651
Total bank valuations.....				\$799,051

POSEY COUNTY

Cynthiana.....	Cynthiana Banking Company.....	250 @	\$201 24	\$50,300
Mt. Vernon.....	First National Bank.....	1,000 @	162 16	162,200
	Mt. Vernon National Bank.....	500 @	234 44	117,200
	Peoples Bank & Trust Company.....	500 @	225 56	112,800
New Harmony.....	New Harmony Bank & Trust Co.....	500 @	28 72	14,400
	First National Bank.....	250 @	222 12	55,500
Poseyville.....	First National Bank.....	250 @	126 49	31,600
	Bozeman Waters National Bank.....	500 @	157 74	78,900
Wadesville.....	Farmers National Bank.....	250 @	131 82	33,000
Total assessments on stock.....				\$655,900
Total deductions for real estate.....				\$71,245
Total bank valuations.....				\$727,145

PULASKI COUNTY

Francesville.....	State Bank of Francesville.....	250 @	\$166 52	\$41,600
Medaryville.....	Medaryville State Bank.....	250 @	131 52	32,900
	First National Bank.....	250 @	150 04	37,500
Monterey.....	First National Bank.....	250 @	157 36	39,300
Star City.....	First State Bank.....	250 @	216 40	54,100
Winamac.....	Union Bank & Trust Co.....	500 @	160 00	80,000
	First National Bank.....	500 @	271 88	135,900
Total assessment on stock.....				\$421,300
Total deductions for real estate.....				49,667
Total bank valuations.....				\$470,967

PUTNAM COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Bainbridge.....	Farmers State Bank.....	300 @	\$110 76	\$33,200
Belle Union.....	Farmers Bank, P. O. Coatesville.....	100 @	75 00	7,500
Cloverdale.....	First National Bank.....	250 @	180 32	45,100
Fillmore.....	Farmers Bank.....	100 @	174 51	17,500
Greencastle.....	Central Trust Company.....	500 @	137 76	68,900
	Citizens Trust Company.....	250 @	160 16	40,000
	Central National Bank.....	1,000 @	210 00	210,000
	First National Bank.....	1,000 @	87 00	87,000
Roachdale.....	Roachdale Bank.....	450 @	166 84	75,100
Russellville.....	Russellville Bank.....	150 @	406 30	60,900
	State Bank of Russellville.....	250 @	138 00	34,500
Total assessments on stock.....				\$679,700
Total deductions for real estate.....				65,290
Total bank valuations.....				\$744,990

RANDOLPH COUNTY

Carlos.....	Farmers Banking Company.....	100 @	182 00	\$18,200
Farmland.....	Farmland State Bank.....	320 @	160 46	51,300
	First National Bank.....	400 @	51 78	20,700
Losantville.....	Farmers State Bank.....	250 @	97 66	24,400
Lynn.....	Citizens Banking Company.....	450 @	185 17	83,300
Modoc.....	Citizens Banking Company.....	100 @	250 99	25,100
Parker.....	Parker Banking Company.....	250 @	222 96	55,700
Ridgeville.....	Ridgeville State Bank.....	300 @	95 43	28,600
	First National Bank.....	250 @	77 31	19,300
Saratoga.....	Saratoga State Bank.....	250 @	128 80	32,200
Spartansburg.....	Greensfork Township Bank.....	120 @	235 25	28,200
Union City.....	Atlas State Bank.....	520 @	155 00	80,600
	Commercial National Bank.....	500 @	110 00	55,000
	Union Loan & Trust Company.....	500 @	146 07	73,000
Winchester.....	Farmers & Merchants Bank.....	500 @	177 27	88,600
	Randolph County Bank.....	500 @	132 14	66,100
	Peoples Loan & Trust Company.....	300 @	330 13	99,000
	Citizens National Bank.....	500 @	40 10	20,100
Total assessment on stock.....				\$869,400
Total deducted for real estate.....				139,479
Total bank valuations.....				\$1,008,879

RIPLEY COUNTY

Batesville.....	Batesville State Bank.....	550 @	196 20	\$107,900
	First National Bank.....	300 @	128 53	38,600
Cross Plains.....	Cross Plains State Bank.....	250 @	165 92	41,500
Friendship.....	Friendship State Bank.....	250 @	122 96	30,700
Holton.....	Holton State Bank.....	250 @	184 72	46,200
Milan.....	State Bank of Milan.....	350 @	174 43	61,100
	Farmers State Bank.....	250 @	66 88	16,700
Napoleon.....	Napoleon State Bank.....	250 @	155 16	38,800
New Marion.....	New Marion State Bank.....	250 @	42 40	10,600
Osgood.....	Osgood Bank.....	250 @	137 84	34,500
	Ripley County Bank.....	500 @	237 74	118,900
Sunman.....	Sunman Bank.....	250 @	259 92	65,000
	Farmers National Bank.....	250 @	161 44	40,400
Versailles.....	Versailles Bank.....	320 @	358 06	114,600
Total assessment on stock.....				\$765,500
Total deductions for real estate.....				66,277
Total bank valuations.....				\$831,777

RUSH COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Arlington.....	Arlington Bank.....	200 @	\$164 16	\$32,800
Carthage.....	Bank of Carthage.....	1,000 @	151 95	151,900
Falmouth.....	Falmouth Bank.....	100 @	225 04	22,500
Glenwood.....	Glenwood State Bank.....	250 @	195 48	48,900
Manilla.....	Manilla Bank.....	200 @	183 00	36,600
Milroy.....	First National Bank.....	500 @	65 92	33,000
	Milroy Bank.....	250 @	112 04	28,100
Mays.....	First National Bank.....	250 @	169 68	42,400
New Salem.....	New Salem State Bank.....	250 @	122 00	30,500
Rushville.....	Farmers Trust Company.....	500 @	101 74	50,900
	Peoples Loan & Trust Company.....	500 @	159 00	79,500
	Peoples National Bank.....	500 @	284 64	142,300
	Rush County National Bank.....	1,000 @	251 18	251,200
	Rushville National Bank.....	1,000 @	187 30	187,300
Total assessments on stock.....				\$1,137,900
Total deductions for real estate.....				111,729
Total bank valuations.....				\$1,249,629

ST. JOSEPH COUNTY

Lakeville.....	Lakeville State Bank.....	250 @	76 54	19,100
Mishawaka.....	First Trust & Savings Co.....	1,000 @	140 96	141,000
	Mishawaka Trust & Savings Co.....	1,000 @	42 92	42,900
	Farmers & Merchants State Bank.....	925 @	39 79	36,800
	North Side Trust & Savings Co.....	800 @	104 51	83,600
	First National Bank.....	1,000 @	153 75	153,800
	West End State Bank.....	500 @	59 85	29,900
New Carlisle.....	First National Bank.....	250 @	165 20	41,300
	Farmers State Bank.....	250 @	62 22	15,600
North Liberty.....	North Liberty State Bank.....	500 @	114 26	57,100
South Bend.....	Washington State Bank.....	500 @	49 79	24,900
	American Trust Company.....	2,000 @	146 34	292,700
	Citizens Trust & Savings Bank.....	3,000 @	123 85	371,600
	Peoples State Bank.....	500 @	73 69	36,800
	LaSalle State Bank.....	500 @	76 67	38,300
	Farmers Trust Company.....	1,894 @	113 51	215,000
	St. Joseph Loan & Trust Co.....	8,000 @	136 45	1,091,700
	Union Trust Company.....	3,939 @	10 15	40,000
	Public State Bank.....	250 @	67 44	16,900
	Chapin State Bank.....	1,900 @	122 68	233,100
	South Bend State Bank.....	500 @	59 08	29,500
	Toth State Bank.....	361.5 @	100 00	36,100
	Citizens National Bank.....	4,000 @	146 45	585,800
	First National Bank.....	6,000 @	129 58	777,500
	Merchants National Bank.....	1,000 @	109 72	109,700
Walkerton.....	State Bank of Walkerton.....	250 @	147 62	36,900
	Farmers State Bank.....	250 @	79 72	19,900
Wyatt.....	Farmers Bank.....	100 @	114 90	11,500
Total assessments on stock.....				\$4,589,000
Total deductions for real estate.....				1,495,776
Total bank valuations.....				\$6,084,776

SCOTT COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Austin.....	Austin State Bank.....	250 @	\$116 00	\$29,000
Lexington.....	Lexington State Bank.....	250 @	103 22	25,800
Scottsburg.....	Scott County State Bank.....	500 @	132 33	66,200
	Scottsburg State Bank.....	500 @	146 26	73,100
Total assessments on stock.....				\$194,100
Total deductions for real estate.....				9,800
Total bank valuations.....				\$203,900

SHELBY COUNTY

Boggs town.....	Sugar Creek State Bank (P. O. Fairland).....	250 @	\$81 58	\$20,400
Fairland.....	Fairland National Bank.....	250 @	183 69	45,900
Flat Rock.....	Union State Bank.....	250 @	147 83	37,000
Fountaintown.....	Farmers State Bank.....	250 @	130 92	32,700
Gwynneville.....	Gwynneville Bank.....	150 @	86 66	13,000
Morristown.....	Union State Bank.....	250 @	156 66	39,200
Shelbyville.....	Shelbyville Trust Company.....	500 @	214 13	107,100
	The Security Trust Company.....	1,000 @	122 49	122,500
	Farmers National Bank.....	1,000 @	204 91	204,900
	First National Bank.....	1,000 @	154 64	154,600
	Shelby National Bank.....	1,000 @	194 18	194,200
Waldron.....	State Bank of Waldron.....	250 @	133 66	33,500
	Farmers State Bank.....	250 @	90 15	22,500
Total assessments on stock.....				\$1,027,500
Total deductions for real estate.....				169,930
Total bank valuations.....				\$1,197,430

SPENCER COUNTY

Chrisney.....	Farmers State Bank.....	250 @	\$99 48	\$24,900
	Chrisney State Bank.....	250 @	123 84	31,000
Dale.....	Dale State Bank.....	250 @	137 64	34,400
	Farmers & Merchants State Bank.....	250 @	46 96	11,700
Grandview.....	Grandview Bank.....	250 @	101 64	25,400
Lake.....	Lake State Bank.....	250 @	179 44	44,900
Rockport.....	Farmers Bank.....	250 @	261 20	65,300
	Old Rockport Bank.....	400 @	159 70	63,900
	Brown Trust Company.....	250 @	61 88	15,500
	First National Bank.....	350 @	133 25	46,638
Total assessments on stock.....				\$363,638
Total deductions for real estate.....				67,269
Total bank valuations.....				\$430,907

STARKE COUNTY

Hamlet.....	Hamlet State Bank.....	250 @	\$132 52	\$33,100
Knox.....	Farmers State Bank.....	250 @	242 00	60,500
	Starke County Trust & Savings Bank.....	500 @	57 25	28,600
North Judson.....	North Judson State Bank.....	250 @	100 00	25,000
	First State Bank.....	250 @	257 98	64,500
San Pierre.....	Bank of San Pierre.....	110 @	141 32	15,500
Total assessments on stock.....				\$227,200
Total deductions for real estate.....				50,296
Total bank valuations.....				\$277,496

STEBEN COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Angola.....	Steben County State Bank.....	400 @	\$123 17	\$49,300
	Angola Bank Trust Company.....	600 @	133 33	80,000
	First National Bank.....	750 @	193 83	145,400
Fremont.....	First State Bank.....	250 @	119 80	29,900
	First National Bank.....	250 @	161 48	40,400
Hamilton.....	Hamilton Bank.....	100 @	96 42	9,600
Hudson.....	Farmers State Bank.....	250 @	117 08	29,300
Metz.....	Citizens Bank.....	125 @	87 56	10,900
Orland.....	Citizens State Bank.....	250 @	179 64	44,900
Pleasant Lake.....	First State Bank.....	250 @	92 44	23,100
Ray.....	Ray State Bank.....	250 @	83 72	20,900
Total assessments on stock.....				\$483,700
Total deductions for real estate.....				47,031
Total bank valuations.....				\$530,731

SULLIVAN COUNTY

Carlisle.....	Peoples State Bank.....	500 @	\$179 86	\$89,900
	First National Bank.....	350 @	106 26	37,200
Dugger.....	Citizens Bank & Trust Co.....	300 @	49 60	14,900
	Dugger State Bank.....	250 @	140 64	35,200
Fairbanks.....	Fairbanks State Bank.....	250 @	166 08	41,500
Farmersburg.....	Citizens State Bank.....	250 @	148 12	37,000
	First National Bank.....	250 @	177 20	44,300
Hymera.....	Hymera State Bank.....	250 @	219 36	54,800
Merom.....	Merom State Bank.....	250 @	104 36	26,100
Shelburn.....	First National Bank.....	250 @	154 00	38,500
Sullivan.....	Sullivan State Bank.....	1,000 @	96 17	96,200
	Peoples State Bank.....	1,250 @	161 16	201,500
	Citizens Trust Company.....	500 @	58 60	29,300
	National Bank of Sullivan.....	1,500 @	123 09	184,600
Total assessments on stock.....				\$931,000
Total deductions for real estate.....				141,660
Total bank valuations.....				\$1,072,660

SWITZERLAND COUNTY

East Enterprise.....	Bank of East Enterprise.....	120 @	\$204 92	\$24,600
Florence.....	Florence Deposit Bank.....	250 @	120 00	30,000
Patriot.....	Patriot Deposit Bank.....	250 @	129 80	32,500
Vevay.....	Vevay Deposit Bank.....	500 @	152 98	76,500
	First National Bank.....	500 @	141 92	71,000
Total assessments on stock.....				\$234,600
Total deductions for real estate.....				19,365
Total bank valuations.....				\$253,965

TIPPECANOE COUNTY

Buck Creek.....	Buck Creek State Bank.....	250 @	\$83 20	\$20,800
Battle Ground.....	Battle Ground State Bank.....	250 @	153 40	38,300
Clarks Hill.....	State Bank of Clarks Hill.....	250 @	114 08	28,500
	Farmers Bank.....	150 @	146 61	22,000
Dayton.....	Bank of Dayton.....	100 @	156 40	15,600
Lafayette.....	Lafayette Loan & Trust Co.....	2,000 @	138 28	276,600
	Farmers & Traders State Bank.....	1,000 @	213 32	213,300
	Lafayette Joint Stock Land Bank.....	10 @	109 27	1,100

TIPPECANOE COUNTY—Continued

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
	First Merchants National Bank.....	3,250 @	130 21	423,200
	Peoples Loan & Trust Co.....	200 @	110 00	22,000
	The Tippecanoe Loan & Trust Co.....	500 @	64 02	32,000
	The City National Bank of Lafayette.....	1,000 @	147 33	147,300
	National Fowler Bank.....	1,000 @	206 77	206,800
West Lafayette.....	Purdue State Bank.....	250 @	79 12	19,800
Montmorenci.....	Montmorenci State Bank.....	250 @	155 20	38,800
Romney.....	The Romney Bank.....	250 @	100 00	25,000
Stockwell.....	State Bank of Stockwell.....	250 @	154 92	38,700
West Point.....	West Point State Bank.....	250 @	50 68	12,700
Total assessments on stock.....				\$1,582,500
Total deductions for real estate.....				553,715
Total bank valuations.....				\$2,136,215

TIPTON COUNTY

Goldsmith.....	Goldsmith Bank.....	100 @	\$108 00	\$10,800
Hobbs.....	Farmers State Bank.....	250 @	122 44	30,600
Kempton.....	State Bank of Kempton.....	250 @	98 32	24,600
Sharpsville.....	The Sharpsville Bank.....	200 @	197 50	39,500
Tipton.....	Farmers Loan & Trust Co.....	500 @	232 70	116,400
	Citizens National Bank.....	1,000 @	164 93	164,900
	First National Bank.....	1,000 @	127 16	127,200
Windfall.....	Farmers State Bank.....	500 @	75 60	37,800
	The Peoples State Bank.....	400 @	148 75	59,500
Total assessments on stock.....				\$611,300
Total deductions for real estate.....				77,929
Total bank valuations.....				\$689,229

UNION COUNTY

Brownsville.....	Brownsville State Bank.....	250 @	\$106 32	\$26,600
Liberty.....	Citizens Bank.....	250 @	195 08	48,800
	Union County National Bank.....	500 @	464 00	232,000
West College Corner.....	Farmers State Bank.....	500 @	245 48	122,700
Total assessments on stock.....				\$430,100
Total deductions for real estate.....				14,657
Total bank valuations.....				\$444,757

VANDERBURGH COUNTY

Evansville.....	Farmers Trust Company.....	1,000 @	\$113 00	\$113,000
	Farmers & Citizens Bank.....	250 @	161 39	40,300
	Lamasco Bank.....	783 @	86 78	68,000
	Mercantile-Commercial Bank.....	2,000 @	59 21	118,400
	North Side Bank.....	1,000 @	100 11	100,100
	West Side Bank.....	1,000 @	189 86	189,900
	American Trust & Savings Bank.....	2,000 @	72 61	145,200
	Citizens Trust & Savings Bank.....	1,000 @	124 85	124,800
	Citizens National Bank.....	5,000 @	20 91	104,600
	City National Bank.....	3,500 @	103 32	361,600
	Old State National Bank.....	5,000 @	99 38	496,900
Total assessments on stock.....				\$1,862,800
Total deductions for real estate.....				1,846,478
Total bank valuations.....				\$3,709,278

VERMILLION COUNTY

<i>Location</i>	<i>Name</i>	<i>No. of Shares</i>	<i>Per Share</i>	<i>Total Assessment</i>
Cayuga.....	First National Bank.....	250 @	\$155 16	\$38,800
Clinton.....	Citizens Bank.....	1,000 @	142 91	142,900
	Ninth Street State Bank.....	300 @	120 70	36,200
	Clinton Trust Co.....	500 @	139 94	70,000
	First National Bank.....	500 @	203 33	61,000
Dana.....	State Bank of Dana.....	300 @	144 26	43,300
	First National Bank.....	400 @	229 61	91,800
Newport.....	Citizens State Bank.....	250 @	172 24	43,100
	R. N. Nixon & Co.....	300 @	118 06	35,400
Perrysville.....	Perrysville Bank.....	100 @	129 98	13,000
St. Bernice.....	Farmers Bank.....	100 @	187 35	18,700
Total assessments on stock.....				\$594,200
Total deductions for real estate.....				74,947
Total bank valuations.....				\$669,147

VIGO COUNTY

Terre Haute.....	Indiana State Bank.....	350 @	\$183 20	\$64,100
	Citizens Trust Co.....	4,000 @	33 45	133,800
	Terre Haute Trust Co.....	5,000 @	197 31	986,600
	United States Trust Co.....	5,000 @	136 27	681,400
	Twelve Points State Bank.....	500 @	127 86	63,900
	First National Bank.....	7,000 @	153 39	1,073,700
	McKeen National Bank.....	5,000 @	197 82	989,100
	Terre Haute National Bank.....	3,000 @	162 70	488,100
	State Bank of West Terre Haute.....	500 @	200 84	100,400
Total assessments on stock.....				\$4,581,100
Total deductions for real estate.....				922,779
Total bank valuation.....				\$5,503,879

WABASH COUNTY

LaGro.....	Citizens State Bank.....	250 @	\$110 66	\$27,700
Lafontaine.....	Lafontaine Bank.....	165 @	160 00	26,400
	Farmers State Bank.....	350 @	76 07	26,600
Laketon.....	Laketon State Bank.....	250 @	116 63	29,200
North Manchester.....	Indiana State Bank.....	500 @	221 29	110,600
	Union Trust Co.....	400 @	142 93	57,200
	The Lawrence National Bank.....	1,000 @	139 00	129,000
Roann.....	State Exchange Bank.....	250 @	112 71	28,200
Urbana.....	Bank of Urbana.....	100 @	68 28	6,800
	Farmers State Bank.....	250 @	105 66	26,400
Wabash.....	Wabash County Loan & Trust Co.....	1,013 @	132 14	133,900
	Citizens Savings & Trust Co.....	500 @	27 36	13,700
	Farmers & Merchants National Bank.....	1,500 @	181 11	271,700
	Wabash National Bank.....	2,000 @	80 61	161,200
Total assessments on stock.....				\$1,048,600
Total deductions for real estate.....				299,723
Total bank valuations.....				\$1,348,323

WARREN COUNTY

		No. of	Per	Total
Location	Name	Shares	Share	Assessment
Marshfield.....	Bank of Marshfield.....	200 @	88 00	17,600
Pence.....	The Bank of Pence.....	200 @	85 86	17,200
Pine Village.....	Bank of Pine Village.....	100 @	235 00	23,500
Tab.....	Citizens State Bank.....	250 @	92 28	23,100
Williamsport.....	Warren County Bank.....	500 @	85 17	42,600
Wm.....	The Williamsport State Bank.....	600 @	98 59	59,200
West Lebanon.....	Central Bank.....	250 @	87 24	21,800
	Farmers Bank.....	250 @	101 88	25,500

Total assessments on stock..... \$230,500

Total deductions for real estate..... 53,353

Total bank valuations..... \$283,853

WARRICK COUNTY

Boonville.....	Peoples Trust & Savings Bank.....	600	@	\$158 67	\$95,200
	City National Bank.....	750	@	153 60	115,200
	Farmers & Merchants National Bank.....	750	@	123 60	92,700
Elberfeld.....	Elberfeld State Bank.....	250	@	158 16	39,500
Lynnville.....	Lynnville National Bank.....	250	@	130 08	32,500
Newburgh.....	Newburgh State Bank.....	250	@	52 56	13,100
Tennyson.....	Tennyson National Bank.....	250	@	119 86	29,800

Total assessments on stock..... \$418,000

Total deductions for real estate..... 42,850

Total bank valuations..... \$460,850

WASHINGTON COUNTY

Campbellsburg.....	State Bank of Campbellsburg.....	250	@	\$137 10	\$34,300
Fredericksburg.....	Bank of Fredericksburg.....	150	@	131 42	19,700
Hardinsburg.....	Bank of Hardinsburg.....	100	@	194 19	19,400
Pekin.....	Citizens Bank.....	250	@	122 10	30,500
Salem.....	Citizens State Bank.....	250	@	148 56	37,100
	Farmers State Bank.....	400	@	131 39	52,600
	State Bank of Salem.....	1,000	@	296 54	296,500

Total assessments on stock..... \$490,100

Total deductions for real estate..... 23,460

Total bank valuations..... \$513,560

WAYNE COUNTY

Boston.....	Farmers State Bank.....	250	@	\$ 84 44	\$21,100
Cambridge City.....	Wayne Trust Co.....	400	@	142 42	57,000
	First National Bank.....	500	@	69 00	34,500
Centerville.....	Centerville State Bank.....	350	@	139 60	48,900
Dublin.....	First National Bank.....	250	@	118 64	29,700
Economy.....	Northern Wayne Bank.....	100	@	182 87	18,300
Fountain City.....	Fountain State Bank.....	250	@	108 72	27,200
Greensfork.....	First National Bank.....	250	@	114 08	28,500
Hagerstown.....	First National Bank.....	500	@	177 36	88,700
	Union Trust Co.....	250	@	175 84	44,000
Milton.....	Washington Township Bank.....	100	@	100 00	10,000
Pershing.....	Jackson Township Bank.....	100	@	96 91	9,700
Richmond.....	American Trust & Savings Bank.....	1,000	@	86 20	86,200
	Dickinson Trust Company.....	2,000	@	20 00	40,000
	Second National Bank.....	3,000	@	221 68	665,100
	First National Bank.....	1,500	@	102 93	154,400
	Union National Bank.....	1,500	@	143 18	214,800

WAYNE COUNTY—Continued

Location	Name	No. of Shares	Per Share	Total Assessment
Williamsburg.....	First National Bank.....	250	@ 115 76	28,900
Total assessments on stock.....				\$1,607,000
Total deductions for real estate.....				630,781
Total bank valuations.....				\$2,237,781

WELLS COUNTY

Bluffton.....	Studabaker Bank.....	2,000	@ \$118 47	\$237,000
	Wells County Bank.....	1,000	@ 162 12	162,100
	Union Savings & Trust Co.....	250	@ 140 00	35,000
Craigville.....	Farmers State Bank.....	250	@ 96 34	24,100
Keystone.....	State Farmers Bank.....	250	@ 97 20	24,300
Liberty Center.....	Liberty Center Deposit Bank.....	250	@ 125 60	31,400
Ossian.....	Farmers State Bank.....	250	@ 85 34	21,800
Petroleum.....	Bank of Petroleum.....	135	@ 221 89	30,000
Poneto.....	Bank of Poneto.....	150	@ 87 86	13,200
	Farmers State Bank.....	250	@ 118 16	29,500
Tocsin.....	Bank of Tocsin.....	100	@ 147 00	14,700
Uniondale.....	State Bank of Uniondale.....	250	@ 159 86	40,000
Total assessments on stock.....				\$662,600
Total deductions for real estate.....				135,221
Total bank valuations.....				\$797,821

WHITE COUNTY

Brookston.....	The Bank of Brookston.....	350	@ \$152 86	\$53,500
	The Farmers Bank.....	250	@ 152 36	38,100
Burnettsville.....	State Bank of Burnettsville.....	300	@ 123 05	36,900
Chalmers.....	Bank of Chalmers.....	250	@ 120 12	30,000
	The State Bank of Chalmers.....	500	@ 84 56	42,300
Idaville.....	State Bank of Idaville.....	250	@ 131 60	32 900
Monon.....	State Bank of Monon.....	250	@ 123 72	30,900
	Farmers & Traders State Bank.....	500	@ 38 78	19,400
Monticello.....	The State Bank of Monticello.....	750	@ 131 61	98,700
	Farmers State Bank.....	250	@ 86 24	21,600
	White County Loan, Trust & Savings Co.....	500	@ 118 62	59,300
	Monticello National Bank.....	500	@ 187 48	93,700
Reynolds.....	Bank of Reynolds.....	250	@ 127 84	32,000
Wolcott.....	State Bank of Wolcott.....	500	@ 163 50	81,800
	Citizens State Bank.....	250	@ 160 84	40,200
Total assessments on stock.....				\$711,300
Total deductions for real estate.....				137,295
Total bank valuations.....				\$848,595

WHITLEY COUNTY

Charubusco.....	Farmers State Bank.....	250	@ \$ 57 78	\$14,400
	Exchange Bank.....	500	@ 102 82	51,400
Columbia City.....	Farmers Loan & Trust Co.....	500	@ 190 46	95,200
	Provident Trust Co.....	600	@ 108 46	65,300
	First National Bank.....	1,000	@ 127 80	127,800
Larwill.....	Larwill Bank.....	100	@ 188 56	18,900
South Whitley.....	Farmers State Bank.....	250	@ 113 96	28,500
	Gandy State Bank.....	250	@ 164 99	41,200
Total assessments on stock.....				\$442,700
Total deductions for real estate.....				106,086
Total bank valuations.....				\$548,786

Grand total assessments on stock.....	\$97,915,953
Grand total deductions for Real Estate.....	24,441,479
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Grand total bank valuations.....	\$122,357,432

PUBLIC UTILITY COMPANIES.

Final Assessment of the Property Within the State of Indiana (Excepting Real Estate and Improvements Thereon, Which are Assessed Locally) of Public Utility Companies for the Year 1922 as fixed by the State Board of Tax Commissioners

Akron Light, Heat & Power Company.....	\$16,562
Amo Light, Heat & Power Company.....	3,200
Arlington Natural Gas Company.....	2,500
Allen County Electric Light & Power Company.....	24,767
Albany Water & Light Company.....	23,800
Batesville Electric Light & Power Company.....	45,000
Batesville Water Works Company.....	17,070
Battle Ground Light & Power Company.....	6,085
Beaver Meadow Natural Gas Company.....	1,000
Bement Gas Company	26,700
Berne Electric Light Company.....	21,630
Big Four Fuel & Light Company.....	200
Blue River Natural Gas Company.....	3,500
Boonville Electric Light & Power Company.....	104,660
Bippus Utilities Company	85,000
Brazil Gas Company	92,000
Brookville Electric Company	28,638
Brownstown Water & Light Company.....	61,180
Brussels Gas Company	150
Bryant Electric Company	4,800
The Butler Utilities Company.....	44,410
C. F. Cain Power & Light Company.....	27,300
Calumet Electric Company.....	335,000
Cambridge Natural Gas Company.....	40,000
Carthage Electric Light Plant.....	9,500
Cayuga Electric Company	32,400
The Central Fuel Company.....	18,500
Central Heating Company	30,000
Central Indiana Gas Company.....	2,263,370
Central States Gas Company	400,000
Charlottesville Electric Heat & Power Company.....	4,680
Churubusco Water & Light Company.....	40,000
Citizens Electric Company	200
Citizens Gas Company of Indianapolis.....	3,890,300
Citizens Gas Company of Milroy.....	2,300
Citizens Gas & Oil Company.....	850
Citizens Gas & Fuel Company.....	1,095,767
Citizens Gas Supply Company.....	15,736

Citizens Heat, Light & Power Company.....	211,770
Citizens Light & Power Company.....	8,000
Citizens Mutual Heating Company.....	110,700
Citizens Natural Gas & Oil Company.....	4,230
Citizens Natural Gas, Oil & Water Company of Waldron....	1,000
Citizens Natural Gas, Oil & Water Company of Shelbyville...	10,000
Clarksburg Gas Company	10,000
Claypool Electric Light Company.....	10,000
College Park Water Company.....	4,600
Consumers Gas Company	100
Consumers Gas, Oil & Water Company.....	3,054
Continental Utilities Company	39,137
Columbus Gas Light Company.....	188,840
Corydon Milling Company	1,920
Citizens Gas Company of Indianapolis.....	5,934,760
Crawfordsville Heating Company	75,000
Crothersville Water and Electric Company.....	13,800
Cynthiana Light & Power Company.....	6,080
Darlington Water Works Company.....	5,600
Delaware Trucking Company.....	48,250
Dome Gas Company	30,000
East Chicago & Indiana Harbor Water Company.....	567,780
Electric Light Company of Fort Branch.....	20,415
Electric Service Company	7,500
Elkhart Gas & Fuel Company.....	565,830
Elkhart Water Company	388,690
Elwood Water Company	139,000
English Water Works Company.....	6,000
English Milling Company	11,280
Farmers Elevator & Grain Company.....	9,300
Farmers Light & Power Company.....	4,600
Farmers Mutual Electric Light & Power Association.....	10,000
Farmers Natural Gas & Oil Company.....	1,000
Fillmore Light & Power System.....	3,500
Fortville Natural Gas & Oil.....	6,750
Fort Wayne Storage Company.....	6,000
Fountaintown Natural Gas Company.....	1,400
Frankfort Heating Company	96,300
The Freeport Gas Company.....	2,152
French Lick & West Baden Light, Heat & Power Company..	100,000
Frankfort Water Works Company.....	200,000
Flora Water Company	29,000
Galveston Water Company	11,000
Gary Heat, Light & Water Company.....	2,963,000
Gem Electrical Service Company.....	12,500
Georgetown Electric Light & Power Company.....	3,175
The Gosport Electric Company.....	16,932
Goshen Gas Company	137,430
Greencastle Gas & Electric Light Company.....	52,000
Greencastle Water Works Company.....	161,896

Greensburg Gas & Electric Company.....	72,400
Greensburg Natural Gas, Oil & Water Company.....	50,400
The Greensburg Water Company	158,010
Mrs. Sarah Grubb	1,500
Hagerstown Natural Gas Company.....	3,500
Hanna Light & Power Company.....	3,500
Harrison Electric & Water Company.....	2,000
The Hawks Electric Company.....	582,283
The Haynes Milling Company.....	60,330
Henryville Electric Light & Heat Company.....	3,000
Hillsboro Electric Light Company.....	17,300
Home Electric Light Company.....	2,000
Home Light & Power Company.....	8,406
Home Water Company	9,051
Homer Gas Company	1,500
The Huntington Light & Fuel Company.....	619,480
The Hydro-Electric Light & Power Company.....	404,668
Holt Ice & Cold Storage Company.....	123,786
Indiana Power Company	1,984,987
Indiana Fuel & Light Company.....	310,170
Indiana & Michigan Electric Company.....	5,921,000
I. & C. Light & Power Company.....	40,000
Indiana Railway & Light Company.....	1,547,200
Indiana Refrigerating Company	60,000
Indiana Service Company	2,200,000
Indiana Utilities Company	151,050
Indianapolis Warehouse Company	10,200
Indianapolis Water Company	9,330,710
Indianapolis Light & Heat Company.....	7,089,255
Indiana General Service Company.....	5,135,500
Interstate Public Service Company.....	4,500,000
Jackson County Transmission Company.....	18,000
Jasonville Water Company.....	28,700
Jeffersonville Water, Light & Power Company.....	181,000
Jonesboro Water Company	26,940
K. D. & S. Gas Company.....	1,200
Knightstown Natural Gas Company.....	12,000
Knox Electric Light & Power Company.....	22,100
Kokomo Gas & Fuel Company.....	550,000
Kokomo Water Works Company.....	721,535
LaGrange Co. Light & Power Company.....	72,168
Lanesville Milling Company.....	300
Laporte Gas & Electric Company.....	827,026
Larwill Light & Power Company.....	10,000
Lawrenceburg Water Company	5,415
The Leesburg Light & Water Company.....	5,550
Letts Gas & Oil Company.....	6,000
Liberty Gas Light & Fuel Company.....	7,000
The Liberty Light & Power Company.....	100,000
Linn Creek Natural Gas Company.....	500

Linn Grove Light & Power Company.....	54,000
Linton Gas & Coke Company.....	3,000
Leavenworth Electric Light Company.....	1,000
Leavenworth Water Company	2,000
The Logan Natural Gas Company.....	1,800
Loogootee Water Company	24,000
Lynn Natural Gas Company.....	16,050
Logansport Utilities Company	15,000
Macy Electric Light Company	4,375
Madison Light & Fuel Company.....	60,000
Madison Light & Railway Company.....	159,940
Marengo Light & Water Company.....	7,500
Markleville Citizens Gas & Oil Company.....	1,515
Martinsville Gas & Electric Company.....	116,550
Mentone Electric Light Company.....	6,000
Mexico Electric Company	2,230
Middlebury Electric Company	24,200
Middletown Gas Company	6,000
Midway Electric Company	15,738
Milroy Light & Power Company.....	8,830
Mitchell Packing Company	11,800
Merchants Heat & Light Company.....	6,706,710
Memphis Electric Light & Power Company.....	2,000
Modoc Natural Gas & Oil Company.....	5,000
Monarch Gas Company	30,000
Montgomery Light & Power Company.....	24,000
Mooreville Public Service Company.....	58,566
Morgan County Electric Light & Power Company.....	8,550
Moran Electric Light & Power Company.....	7,500
The Mt. Vernon Electric Light & Power Company.....	70,382
Mt. Vernon Water Works Company.....	146,700
Muddy Fork Gas Company.....	45,000
Montpelier Utilities Company	50,900
R. P. Moore Milling Company.....	18,550
Mulberry Light & Power Company.....	22,210
Muncie Water Works Company.....	900,000
North Judson Water Company.....	16,000
Nappanee Utilities Company.....	75,000
National Ice & Cold Storage Company.....	5,000
New Albany Ice & Cold Storage Company.....	79,380
Newburgh Light & Water Company.....	20,000
The New Citizens Natural Gas Company.....	2,370
New Lisbon Gas Company.....	1,500
New Point Gas, Oil & Mineral Company.....	4,814
Newton Electric Light Company.....	11,750
The Newtown Water Company.....	5,000
Noblesville Heat, Light & Power Company.....	339,038
Noblesville Water & Light Company.....	76,110
North Judson Electric Company.....	16,350
North Webster Light & Water Company.....	21,660

Northern Indiana Gas & Electric Company.....	10,735,150
Oaktown Gas Company	100
Oakland City Electric Light & Power Company.....	39,500
Oakville Gas Company	1,000
Oldenburg Electric Light & Power Company.....	2,776
Oolitic Light & Power Company.....	5,714
Otterbein Light & Power Company.....	18,625
Orange County Public Service Company.....	100,000
Palmyra Light & Power Company.....	1,500
Pendleton Natural Gas Company.....	14,330
People's Gas Company of Milroy.....	2,500
People's Service Company	54,500
Peru Gas Company	206,300
Peru Heating Company	43,780
Pierceton Light & Water Company.....	40,000
Pleasant Mills Light & Power Company.....	4,144
Plymouth Electric Light & Power Company.....	248,360
Poplar Grove Light & Power Company.....	13,597
Poseyville Light & Power Company.....	8,220
Preble Light & Power Company.....	5,150
Pulse & Porter	13,364
Putnam Electric Company.....	119,400
Princeton Water & Lighting Company.....	178,125
Princeton Light & Power Company.....	155,600
Princeton Utilities Company	30,000
Randolph Oil & Gas Company.....	2,000
Richland Light & Power Company.....	10,000
Richmond Light, Heat & Power Company.....	450,000
The Richmond City Water Works.....	777,000
Rising Sun Water & Light Company.....	35,000
Roann Light & Power Company.....	9,160
Roachdale Electric Company	79,500
Rochester Gas & Fuel Company	60,000
Rockport Water Works Company.....	65,050
Royal Electric Company	7,500
Rushville Natural Gas Company.....	60,750
St. Joseph Heating Company.....	113,646
St. Paul Natural Gas & Oil Company.....	6,000
Salamonia Light & Power Company.....	20,000
Sand Creek Gas & Oil Company.....	26,350
Sandusky Farmers Elev. Company.....	7,031
Sardinia Gas Company	1,000
Seymour Water Company	153,458
Sheridan Gas, Oil & Coal Company.....	22,300
Sheridan Water, Light & Heat Company.....	80,865
Sherman White & Company	103,900
Selma Gas Company	1,200
Silver Lake Light Plant.....	5,640
Snow & Pritchard	2,500
Southern Indiana Gas & Electric Company.....	4,245,934

Southern Indiana Power Company.....	600,000
The Spencer Light, Power, Heat & Water Company.....	66,000
Star Milling & Electric Company.....	8,000
Summitville Electric Light & Power Company.....	8,000
Summitville Water Company	10,000
Sunman Electric Light & Power Company.....	8,420
Sycamore Oil & Gas Company.....	100
Sullivan County Water Company.....	105,000
Terre Haute, Indianapolis & Eastern Traction Company....	588,876
The Terre Haute Water Works Company.....	1,532,000
Topeka Water Company	7,790
Traction Light & Power Company.....	150,000
Union City Electric Company.....	73,934
Union Heat, Light & Power Company.....	226,845
United Public Service Company.....	291,781
Valparaiso Lighting Company	260,000
Valparaiso Home Water Company.....	11,000
Vernon Natural Gas & Oil Company.....	13,500
Vincennes Water Supply Company.....	380,000
Washington Water, Light & Power Company.....	207,070
Wabash Valley Electric Company.....	802,100
Wabash Water & Light Company.....	553,000
The Warner Warehouse Company.....	1,000
Warsaw Gas Company	99,030
The West LaFayette Water Works Company.....	102,000
West Lebanon Electric Light, Heat & Power Company.....	11,000
Westport Natural Gas Company.....	6,000
Wheatfield Electric Light Plant.....	4,500
Whitestown Light & Power System.....	4,500
Wild-Cat Utilities Company	17,500
The Winona Electric Light & Water Company.....	215,000
Woodburn Equity Exchange	23,500
Ziliak & Schafer Milling Company.....	1,700
Zionsville Water & Electric Light Company.....	15,000

Total\$98,202,829

BUILDING AND LOAN ASSOCIATIONS

Assessments and Valuations made on the Property and Funds of the Building and Loan Associations, (as defined in Sections 89 and 90 of the Act of March 11, 1919, concerning taxation) for the year 1922.

Location	NAME	Assessment
<i>Allen County</i>		
Fort Wayne.....	Home Loan & Savings Association.....	\$9,964 38
	Prudential Building and Loan Association.....	527 59
<i>Bartholomew County</i>		
Columbus.....	The Bartholomew Building and Loan Association.....	2,355 66
	Citizens Building and Loan Association.....	2,185 87
Hope.....	Hope Building Savings and Loan Association.....	3,119 00
<i>Benton County</i>		
Otterbein.....	Otterbein Building and Loan Association.....	1,489 95
Oxford.....	The Oxford Building and Loan Association.....	2,512 23
<i>Blackford County</i>		
Hartford City.....	Rural Loan and Savings Association.....	830 00
<i>Boone County</i>		
Lebanon.....	First Rural Loan and Savings Association.....	9,709 00
	Rural Credit Loan and Savings Association.....	1,114 21
Thorntown.....	Thorntown Savings and Loan Association.....	160 00
Zionsville.....	Zionsville Building and Loan Association.....	2,011 00
<i>Carroll County</i>		
Delphi.....	The People's Building and Loan Association.....	1,436 00
<i>Clark County</i>		
Jeffersonville.....	Mutual Savings and Loan Association, No. 4.....	25 00
<i>Clay County</i>		
Brazil.....	Citizens Building and Loan Association.....	2,463 00
	Clay County Building and Loan Association.....	2,550 00
Clay City.....	The Reliable Building and Loan Association.....	255 00
<i>Clinton County</i>		
Colfax.....	The Home Building and Loan Association.....	539 87
Frankfort.....	Citizens Building and Loan Association.....	12,295 00
	Clover Leaf Building and Loan Association.....	905 89
<i>Daviess County</i>		
Montgomery.....	The Montgomery Farmers Building and Loan Association.....	596 00
Washington.....	Home Building and Loan Association.....	16,744 57
	The Industrial Savings and Loan Association.....	No assessment
	Union Savings and Loan Association.....	10,220 00
<i>Dearborn County</i>		
Aurora.....	The Peoples Building and Loan Association.....	25,183 00
	Union Building Loan Fund and Savings Association.....	No assessment
Lawrenceburg.....	Dearborn County Loan and Building Association.....	13,158 00
	The Perpetual Building Association.....	8,864 00
	Progressive Building and Loan Association.....	1,585 00
Moores Hill.....	The Moores Hill Building and Loan Association.....	70 00
<i>Decatur County</i>		
Greensburg.....	The Greensburg Building and Loan Association.....	9,206 00
	Workmen's Building and Loan Association.....	433 96
St. Paul.....	St. Paul Building and Loan Association.....	522 00
<i>Dekalb County</i>		
Auburn.....	Auburn Building and Loan Association.....	1,305 43
Garrett.....	Dekalb County Building and Loan Association.....	1,432 00

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>Delaware County</i>		
Muncie.....	First Rural Loan and Savings Company.....	\$922 00
	The Muncie Savings and Loan Company.....	1,000 00
	The Mutual Home and Savings Association.....	44,040 00
	The People's Home and Savings Association.....	19,254 00
<i>Dubois County</i>		
Huntingburg.....	Citizens Building and Loan Association.....	346 83
	Huntingburg Perpetual Building and Loan Association.....	635 71
Jasper.....	Jasper Building and Loan Association.....	1,658 00
	Phoenix Loan Association.....	1,859 66
<i>Elkhart County</i>		
Nappanee.....	Citizens Building, Loan and Savings Association.....	485 00
<i>Fayette County</i>		
Connersville.....	Connersville Building and Loan Association.....	2,634 00
	Fayette Savings and Loan Association.....	16,818 00
	Home Loan Association.....	13,946 00
<i>Floyd County</i>		
New Albany.....	Union Savings Association.....	2,934 00
<i>Fountain County</i>		
Attica.....	The Attica Building and Loan Association.....	27,136 71
Covington.....	Covington Building and Loan Association.....	75 00
Hillsboro.....	Hillsboro Building and Loan Association.....	96 00
Mellott.....	Peoples Building and Loan Association.....	470 00
Newtown.....	Newtown Building and Loan Association.....	No assessment
Veedersburg.....	Hub Savings and Loan Association.....	1,170 00
	Veedersburg Building and Loan Association.....	558 00
<i>Franklin County</i>		
Brookville.....	The Citizens Building, Loan and Savings Association (Div. 2).....	2,478 00
Oldenburg.....	The Franklin Building and Loan Association.....	97 30
<i>Gibson County</i>		
Francisco.....	Francisco Building and Loan Association.....	10 00
Fort Branch.....	Fort Branch Building and Loan Association, No. 8.....	502 33
	Fort Branch Building and Loan Association, No. 9.....	832 63
Haubstadt.....	Citizens Building and Loan Association.....	446 12
Hazleton.....	Hazleton Building and Loan Association.....	1,419 30
Oakland City.....	Home Economy Building and Loan Association.....	2,360 93
	The Peoples State Building and Loan Association.....	1,837 81
Owensville.....	Mutual Building, Loan and Savings Association.....	1,268 00
	Owensville Building and Loan Association.....	552 86
Princeton.....	Community Savings and Loan Association.....	360 00
	The Gibson County Perpetual Building and Loan Association.....	932 95
	Peoples' Building, Loan and Savings Association.....	1,138 00
Sommerville.....	Sommerville Building and Loan Association.....	40 00
<i>Grant County</i>		
Marion.....	Marion Building and Loan Association.....	778 00
<i>Greene County</i>		
Bloomfield.....	Bloomfield Building, Savings and Loan Association.....	2,893 96
	The Farmers and Merchants Mutual Building and Loan Association.....	9,901 00
	Southern Indiana Mutual Building, Savings and Loan Association.....	37,623 00
Jasonville.....	Jasonville Building, Savings and Loan Association.....	461 95
Linton.....	Home Loan and Savings Association.....	4,410 00
Worthington.....	Greene County Building, Savings and Loan Association.....	2,242 00
<i>Hamilton County</i>		
Noblesville.....	Indiana Loan Association.....	1,062 00

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>Hancock County</i>		
Greenfield.....	The Greenfield Building and Loan Association.....	\$664 00
<i>Harrison County</i>		
Corydon.....	Savings and Loan Association.....	1,800 00
<i>Hendricks County</i>		
Danville.....	Citizens Building, Loan Fund and Savings Association.....	\$2,950 99
Plainfield.....	Danville Building and Loan Association.....	243 07
	Plainfield Building and Loan Association.....	4,665 00
<i>Henry County</i>		
New Castle.....	The American Building and Loan Association.....	105 01
	Henry County Building and Loan Association.....	30,462 65
<i>Howard County</i>		
Kokomo.....	The Kokomo Building and Loan Association.....	200 00
<i>Huntington County</i>		
Andrews.....	Andrews Perpetual Building and Loan Association.....	553 68
Huntington.....	College Park Building and Loan Association.....	No assessment
	Home Savings and Loan Association.....	11,544 77
<i>Jackson County</i>		
Crothersville.....	Crothersville Savings and Loan Association.....	No assessment
	Union Building and Loan Association.....	523 45
Medora.....	Medora Building, Loan and Savings Association.....	269 31
Seymour.....	Co-operative Building and Loan Association.....	1,894 00
	The Home Building Association.....	1,042 97
	New Building and Loan Association.....	6,986 70
<i>Jasper County</i>		
Rensselaer.....	Rensselaer Building, Loan and Savings Association.....	2,736 00
<i>Jefferson County</i>		
Madison.....	Citizens Building Association No. 3.....	2,021 53
	German Building and Aid Association No. 6.....	200 00
	The Home Building Association No. 5.....	5,322 00
	Madison Building and Aid Association No. 8.....	2,870 00
	Mite Building and Loan Association No. 1.....	2,524 85
<i>Jennings County</i>		
North Vernon.....	Citizens Building and Loan Association No. 7.....	3,152 50
	North Vernon Building and Savings Association.....	338 38
Vernon.....	Jennings Building and Loan Association.....	1,279 47
<i>Johnson County</i>		
Bargersville.....	Bargersville Building and Loan Association.....	818 13
Edinburg.....	Blue River Building and Loan Association.....	3,118 00
Franklin.....	Franklin Building and Loan Association.....	3,761 93
	Mutual Building and Loan Association.....	1,568 00
Greenwood.....	Citizens Savings and Loan Association.....	135 56
	Greenwood Building and Loan Association.....	6,961 00
Whiteland.....	Home Building and Loan Association.....	174 85
<i>Knox County</i>		
Bicknell.....	American Building and Loan Association.....	1,064 97
	Bicknell Building and Loan Association.....	38,207 52
	Citizens Building and Loan Association.....	1,600 00
Vincennes.....	Home Building and Loan Association.....	28,864 99
	Knox Building, Loan Fund and Savings Association.....	3,110 25
	North Side Building and Loan Association.....	6,874 35
	The Peoples Savings Loan and Building Association.....	67,125 65
	Vincennes Savings and Loan Association.....	23,770 60

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>Kosciusko County</i>		
Pierceton	Pierceton Savings and Loan Association	\$99 00
Warsaw	Warsaw Building, Loan and Savings Association	3,924 00
<i>Lake County</i>		
Crown Point	Crown Point Building, Loan and Savings Association	2,560 05
East Chicago	American Building, Loan and Savings Association	732 80
	First Polish National Building and Loan Association	7,332 02
	Sobieski Building, Loan and Savings Association	2,407 00
	Twin City Savings and Loan Association	2,240 00
Gary	"America" Savings and Loan Association	74 00
	American-Russian National Building and Loan Association	1,142 00
	Federal Savings and Loan Association	1,142 00
	Home Building and Loan Association	No assessment
	Mid City Building and Loan Association	1,288 06
	Mutual Building and Loan Association	2,189 53
	Pulaski Building and Savings Association	1,960 00
	Slovak Building and Loan Association	740 02
	Victory Savings and Loan Association	82 00
	Albert Wachowski Savings and Loan Association	2,450 00
Griffith	Griffith Building and Loan Association	153 30
Hammond	Calumet Building and Loan Association	16,158 33
	First Polish Building, Loan and Savings Association	2,431 39
	Hammond Building, Loan and Savings Association	84,820 64
	Home Building, Loan and Savings Association	6,871 37
	Mutual Savings and Loan Association	20,755 12
	Peoples Building, Loan and Savings Association	109 00
Indiana Harbor	National Savings and Loan Association	653 00
	State Building and Loan Association	1,784 24
Whiting	International Savings and Loan Association	597 32
	Whiting Savings and Loan Association	1,487 00
<i>Laporte County</i>		
Laporte	Mutual Loan and Savings Company	No assessment
Michigan City	Home Building and Loan Association	6,208 45
	Merchants Building and Loan Association	402 59
	Michigan City Loan and Building Association	250 00
<i>Lawrence County</i>		
Bedford	New Home Savings and Loan Association	515 74
Mitchell	The Mitchell Building, Savings and Loan Association	4,660 00
<i>Madison County</i>		
Alexandria	Alexandria Building and Loan Association	1,186 07
Anderson	Anderson Loan Association	136,349 22
Elwood	Elwood Rural Savings and Loan Association	1,447 53
Frankton	Frankton Building and Loan Association	1,509 07
Pendleton	Pendleton Loan Association	4,348 26
<i>Marion County</i>		
Beech Grove	Beech Grove Savings and Loan Association	1,197 60
Indianapolis	Advance Savings and Loan Association	3,272 14
	Aetna Savings and Loan Association	374 00
	Anchor Savings & Loan Association	544 00
	The Arsenal Building and Loan Association	44,406 88
	Ashland Savings and Loan Association	1,232 00
	Atkins Savings and Loan Association	12,427 00
	Celtic Savings and Loan Association	63,838 49
	Colonial Savings and Loan Association	9,248 00
	Columbian Savings and Loan Association	1,500 00
	Co-operative Savings and Loan Association	5,235 34
	Dime Savings and Loan Association	375 00
	Downey Street Savings and Loan Association	740 00
	Downey Street Savings and Loan Association, No. 12	459 03
	East End Savings and Loan Association	1,940 70
	Fletcher Avenue Savings and Loan Association	4,580 00
	Garfield Park Building and Loan Association	216 00
	Home Builders Savings and Loan Association	923 58
	The Home Building and Loan Association	8,673 39
	Hoosier Savings and Loan Association	2,898 00
	A. J. Hueber Savings and Loan Association	70 00

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
	Ideal Society for Savings	\$1,217 46
	The Indiana Savings and Investment Company	47,755 68
	Indiana Savings and Loan Association, No. 6	1,336 00
	Indianola Building and Loan Association	8,391 43
	Irrington Savings and Loan Association	181 00
	Keystone Savings and Loan Association	201 17
	Lincoln Highway Savings and Loan Association	200 00
	Madison Avenue Savings and Loan Association, No. 12	458 00
	Madison Avenue Savings and Loan Association, No. 13	249 70
	Merit Savings and Loan Association	3,614 00
	Monument Savings and Loan Association	4,219 62
	New Progress Building Association	1,024 19
	The New Shelby Street Building and Loan Association	4,653 00
	Occidental Savings and Loan Association	504 00
	Peoples Mutual Savings and Loan Association	68,415 50
	Plymouth Savings and Loan Association	600 00
	Prospect Savings and Loan Association	2,252 00
	Provident Building and Loan Association	4,048 00
	The Railroadmen's Building and Savings Association	397,170 00
	The Raymond Park Savings and Loan Association	275 64
	The Riverside Savings and Loan Association	1,275 96
	Russell Avenue Savings and Loan Association, No. 2	664 00
	Security Building and Loan Association	3,707 00
	Southeastern Savings and Loan Association	2,311 00
	South Park Savings and Loan Association	962 70
	Standard Savings and Loan Association	160 00
	Turner Building and Savings Association	4,072 93
	Union National Savings and Loan Association	169,615 33
	Virginia Avenue Building and Loan Association	16 42
	Western Savings and Loan Association	12,764 00
	West Indianapolis Savings and Loan Association, No. 2	No assessment
	Indianapolis Southern Savings and Loan Association	No assessment
	Prudential Savings and Loan Association	15 00
	<i>Marshall County</i>	
Plymouth.....	Marshall County Building and Loan Association	102 99
	Plymouth Building and Loan Association	893 42
	<i>Martin County</i>	
Loogootee.....	The Citizens Building and Loan Association	3,406 00
	Loogootee Building and Loan Association	285 00
	<i>Miami County</i>	
Peru.....	Home Savings and Loan Association	1,922 21
	Peru Building and Loan Association	860 50
	<i>Monroe County</i>	
Bloomington.....	Bloomington National Savings and Loan Association	9,892 75
	Mutual Building and Loan Association	4,615 81
	Workingmen's Building, Loan and Savings Association	16,353 71
	<i>Montgomery County</i>	
Crawfordsville.....	Crawfordsville Building, Loan Fund and Savings Association	5,075 49
	Hoosier State Building Association	2,313 00
	Montgomery Savings Association	1,417 34
	Union Savings and Loan Association	1,685 71
Darlington.....	Home Building, Loan Fund and Savings Association	1,802 03
Ladoga.....	Ladoga Building, Loan Fund and Savings Association	59,192 12
New Richmond.....	New Richmond Building, Loan Fund and Savings Association	450 00
Wingate.....	Home Building and Loan Association	522 76
	<i>Morgan County</i>	
Martinsville.....	Farmers Savings and Loan Association	No assessment
	Home Building Association	6,376 70
Mooresville.....	Mooresville Building and Loan Association	456 37
	<i>Newton County</i>	
Goodland.....	Newton County Loan and Savings Association	27,954 49
Kentland.....	Kentland Building and Loan Association	481 25

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>Noble County</i>		
Kendallville.....	Noble County Loan and Savings Association.....	\$2,738 56
<i>Ohio County</i>		
Rising Sun.....	The Ohio County Building, Loan Fund and Savings Association.....	301 00
<i>Orange County</i>		
Orleans.....	Orleans Building, Loan and Savings Association.....	235 74
<i>Owen County</i>		
Spencer.....	Owen County Savings and Loan Association.....	315 00
<i>Parke County</i>		
Bloomingsdale.....	Penn Building, Loan and Savings Association.....	1,307 88
Rosedale.....	Florida Perpetual Building and Loan Association.....	274 66
<i>Perry County</i>		
Cannelton.....	Cannelton Building and Loan Association.....	657 00
Tell City.....	Citizens Building and Loan Association.....	No assessment
	Building, Loan Fund and Savings Association.....	1,942 79
	Peoples Building and Loan Association.....	1,976 00
<i>Pike County</i>		
Petersburg.....	Peoples Building and Loan Association.....	160 00
Winslow.....	Petersburg Perpetual Building and Loan Association.....	1,293 00
	Winslow Building and Loan Association.....	532 34
<i>Porter County</i>		
Chesterton.....	Chesterton Rural Loan and Savings Association.....	974 00
Valparaiso.....	Valparaiso Building, Loan Fund and Savings Association.....	14,073 00
<i>Posey County</i>		
Cynthiana.....	Mutual Perpetual Building and Loan Association.....	502 14
Mt. Vernon.....	Peoples Loan and Savings Association.....	619 00
Poseyville.....	Poseyville Building and Loan Association.....	584 00
<i>Putnam County</i>		
Bainbridge.....	Bainbridge Building and Loan Association.....	266 00
Cloverdale.....	Cloverdale Building, Loan Fund and Savings Association.....	350 00
Greencastle.....	Greencastle Savings and Loan Association.....	3,068 00
Roachdale.....	Roachdale Savings and Loan Association.....	148 00
<i>Randolph County</i>		
Union City.....	Permanent Savings and Loan Association.....	154 00
Winchester.....	Sixth Building and Loan Association.....	3,129 60
	Winchester Home and Savings Association.....	20,894 00
<i>Ripley County</i>		
Batesville.....	Citizens Savings and Loan Association.....	923 08
Cross Plains.....	Permanent Building and Loan Association.....	1,053 93
	Cross Plains Building and Savings Association.....	46 00
Milan.....	Milan Loan and Building Association.....	461 00
Osgood.....	Osgood Building and Loan Fund Association.....	254 00
Sunman.....	Ripley County Building Association.....	1,653 00
	Enterprise Building and Loan Association.....	260 00
Versailles.....	Versailles Building, Loan and Savings Association.....	488 00
<i>Rush County</i>		
Carthage.....	Carthage Building, Loan and Savings Association.....	135 85
Rushville.....	Building Association No. 10.....	3,916 47
	Prudential Building and Loan Association.....	239 03

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>St. Joseph County</i>		
Mishawaka.....	Home Building and Loan Association.....	\$263 00
	Mishawaka Building and Loan Association.....	450 00
	Peoples Building and Loan Association.....	1,382 31
South Bend.....	Building and Loan Association of South Bend.....	17,468 03
	Guaranty Rural Loan and Savings Association.....	531 00
	Indiana Savings and Loan Association.....	1,761 00
	Jan III Sobieski Building and Loan Association.....	9,920 00
	Kosciusko Building and Loan Fund Association.....	1,202 00
	Polish Savings Association, Inc.....	550 00
	River Park Building and Loan Association.....	693 00
	St. Joseph County Loan and Savings Association.....	555 00
	South Bend Rural Loan and Savings Association.....	No assessment
	Workingman's Building and Loan Association.....	19,172 00
<i>Scott County</i>		
Austin.....	Austin Building and Loan Association.....	7,255 00
Scottsburg.....	Scott County Building and Loan Association.....	455 00
	Scottsburg Building and Loan Association.....	2,756 35
<i>Shelby County</i>		
Flat Rock.....	Citizens Building Association.....	3,859 69
Shelbyville.....	Homestead Building and Loan Association.....	512 00
	Mutual Loan and Savings Association.....	35,473 51
	Union Building Association.....	5,096 00
<i>Spencer County</i>		
Dale.....	Dale Savings Association.....	62 46
Grandview.....	Grandview Building and Loan Association.....	2,082 00
Hatfield.....	Hatfield Building and Loan Association.....	No assessment
Rockport.....	Rockport Building, Savings and Loan Association.....	367 00
St. Meinrad.....	St. Meinrad Building and Loan Association.....	20 00
<i>Starke County</i>		
Knox.....	Knox Building, Loan and Savings Association.....	1,662 00
North Judson.....	Perpetual Building and Loan Association.....	8,074 00
<i>Sullivan County</i>		
Carlisle.....	Carlisle Building, Savings and Loan Association.....	2,076 00
Dugger.....	Home Building Loan Association.....	No assessment
Sullivan.....	Builders' Savings and Loan Association.....	3,105 82
	Sullivan County Loan Association.....	No assessment
<i>Tippecanoe County</i>		
Clarks Hill.....	Clarks Hill Building, Savings and Loan Association.....	1,270 00
Dayton.....	Home Building Loan Fund and Savings Association.....	570 00
Lafayette.....	Citizens Building and Loan Association "B".....	31,556 00
	Star City Building and Loan Association.....	7,610 00
Stockwell.....	Stockwell Building and Loan Association.....	504 73
<i>Tipton County</i>		
Tipton.....	Home Saving and Loan Association.....	1,035 92
	Tipton Building and Loan Association.....	11,512 21
<i>Vanderburgh County</i>		
Evansville.....	Central Trust and Savings Company.....	1,085 00
	Farmers Building and Loan Association.....	397 00
	Fidelity Savings and Loan Association.....	2,510 00
	Howell Building and Loan Association.....	2,403 00
	Lamasco Building and Loan Association.....	6,513 00
	North Side Savings and Loan Association.....	3,580 00
	Permanent Loan and Savings Company.....	14,711 00
	Security Savings and Loan Association.....	4,852 00
	Union Building and Loan Association.....	7,940 00
	West Side Building, Loan and Savings Association.....	5,003 00

BUILDING AND LOAN ASSOCIATIONS—Continued

Location	NAME	Assessment
<i>Vermillion County</i>		
Cayuga.....	Cayuga Home Savings and Loan Association.....	\$4,424 00
Clinton.....	Clinton Building and Loan Co. No. 2.....	12,122 00
	Clinton Home Loan and Savings Association.....	8,720 38
	Ninth St. Building and Loan Association.....	502 22
	Wabash Building and Loan Company.....	7,848 93
Dana.....	Dana Savings and Loan Association.....	822 51
St. Bernice.....	St. Bernice Building, Loan and Savings Association.....	150 00
<i>Vigo County</i>		
Terre Haute.....	Central Loan Association.....	22,328 00
	Central Union Building Loan Association.....	2,127 27
	Citizens Savings and Loan Association.....	9,220 90
	Cottage Building and Savings Association.....	22,886 00
	Enterprise Building and Loan Association.....	140 00
	Fort Harrison Saving Association.....	117,414 00
	Indiana Savings, Loan and Building Association.....	41,262 00
	Mechanics Building Loan and Savings Association.....	49,722 15
	Merchants Loan and Savings Association.....	15,490 07
	Phoenix Building, Loan and Savings Association.....	9,869 00
	Standard Loan and Savings Association.....	34 00
	Terre Haute Mutual Savings Association.....	9,446 00
	Twelve Point Savings and Loan Association.....	506 36
	Union Savings Association.....	25,964 00
	Vigo County Loan and Savings Association.....	15,102 00
	Wabash Savings, Loan and Building Association.....	1,079 00
W. Terre Haute.....	Sugar Creek Building and Loan Association.....	743 38
	West Terre Haute Savings and Loan Association.....	No assessment
<i>Wabash County</i>		
Wabash.....	Home Loan and Savings Association.....	1,055 12
<i>Warren County</i>		
Williamsport.....	Warren County Building, Loan Fund and Savings Association.....	1,445 00
West Lebanon.....	West Lebanon Building, Loan Fund and Savings Association.....	584 85
<i>Warrick County</i>		
Boonville.....	Boonville Building and Loan Association.....	230 36
	Franklin Loan and Savings Association.....	2,954 00
	Warrick Loan & Savings Association.....	3,629 00
Elberfeld.....	Elberfeld Building, Loan and Savings Association.....	No assessment
Newburgh.....	Newburgh Building, Loan and Savings Association, No. 2.....	1,075 05
<i>Washington County</i>		
Campbellsburg.....	Citizens Building and Loan Association.....	258 00
Salem.....	The Salem Building, Loan Fund and Savings Association.....	20,215 00
<i>Wayne County</i>		
Cambridge City.....	Wayne Internaional Building and Loan Association.....	100 00
Richmond.....	People's Home and Savings Association.....	12,457 45
	Richmond Loan and Savings Association.....	1,600 00
	West End Building and Loan Association.....	6,230 00
<i>Wells County</i>		
Bluffton.....	Peoples Mutual Loan and Savings Association.....	8,739 00
<i>White County</i>		
Brookston.....	Home Perpetual Building and Loan Association.....	1,314 31
Chalmers.....	Perpetual Building and Loan Association.....	941 85
Monon.....	Monon Building, Loan and Savings Association.....	No assessment
Monticello.....	People's Building Association.....	747 00
<i>Whitley County</i>		
South Whitley.....	South Whitley Building and Loan Association.....	421 50

DISTRIBUTION
1921
ASSESSMENT AND TAXES
PAYABLE IN 1922

		Total Valuation \$5,700,076.096 Tax \$117,637,589.94		
		Outside Cities & Towns	Inside Cities & Towns	Total
Real Est.	Value	\$2,169,513.098 38.06 %	\$1,430,632.021 25.10 %	\$3,600,145.119 63.16 %
	Tax	\$35,871.073 30.49 %	\$35,734.359 30.38 %	\$71,605.432 60.87 %
Railroads	Value	\$485,097.843 8.51 %	\$179,906.713 3.15 %	\$665,004.556 11.66 %
	Tax	\$7,926.107 6.74 %	\$4,442.459 3.77 %	\$12,368.566 10.51 %
Express Tel. & Tel.	Value	\$27,825.596 0.49 %	\$26,049.749 0.46 %	\$53,875.345 0.95 %
	Tax	\$456.793 0.39 %	\$662.067 0.56 %	\$1,118.860 0.95 %
Personal	Value	\$463,960.350 8.14 %	\$917,090.726 16.09 %	\$1,381,051.076 24.23 %
	Tax	\$8,149.055 6.93 %	\$23,142.870 19.67 %	\$31,291.925 26.60 %
Polls	Number	90,374	297,039	487,413
	Tax	\$431,966 0.37 %	\$820,841 0.70 %	\$1,252,807 1.07 %
Totals	Value	\$3,146,396.887 55.20 %	\$2,553,679.209 44.80 %	\$5,700,076.096 100 %
	Tax	\$52,834.994 44.92 %	\$64,802.596 55.08	\$117,637.590 100 %

NOTE:

These divisions are not made according to the manner in which the property is used, but according to the limits of cities and towns and the application of tax levy rates.

INHERITANCE TAX DEPARTMENT

SCHUYLER C. MOWRER, Investigator.

The fiscal year 1922 as compared to 1921 shows a decrease of 338 in number of estates and more than 46 per cent increase in amount of inheritance tax imposed. The collections increased about 22 per cent over the preceding year, and it is estimated that approximately \$500,000 of collectible tax was outstanding at the close of the year. The total cost of appraisements shows a decrease and the ratio of cost has decreased. The total amount of property involved decreased 4 per cent and the tax ratio of \$1.48 to each \$100 of property shows a substantial increase from \$1.02 for 1921. The highest percentage of tax was from Delaware County, with \$3.27 of tax on each \$100 of property, and the lowest from Steuben County, with .36 cents per \$100. Vanderburgh County gave \$102,091.91 of tax with a cost of .02 cents per \$100 and Fulton County gave \$593.27 of tax at a cost of \$27.19 per \$100. In a number of counties the courts determine the values without appraisers. The average value of estates ranged from \$2,919.19 in Scott County to \$72,685.59 in Delaware County.

Of the totals, Marion County shows 10.13 per cent of the number of estates, 19.87 per cent of the value of property, 29.86 per cent of the tax, and a cost of 18.25 per cent of the total cost.

The fees for appraisements averaged \$10.47 per estate, as against \$11.11 for 1921.

INDIANA ESTATES

YEAR	Estates Taxed	Tax Imposed	Net Collections
1913-1914.....	623	\$191,669 44	\$85,335 76
1915.....	1,430	300,507 24	233,559 83
1916.....	1,709	323,139 43	258,963 28
1917.....	1,819	589,705 63	292,577 19
1918.....	2,086	452,480 56	623,470 19
1919.....	2,166	430,211 43	441,174 35
1920.....	2,709	660,111 06	485,928 79
1921.....	2,834	669,362 43	652,597 10
1922.....	2,496	978,198 08	798,387 64
Total.....	17,872	\$4,595,385 30	\$3,871,994 13

Estates of non-residents taxed upon personal property within the state or stocks in Indiana corporations are as follows:

From the date of the amendment of the law relating to non-resident estates, May 31, 1921, to September 30, 1922, 399 estates were reported and examined. It was found that no tax was due in 356 of these.

YEAR	Estates Taxed	Tax Imposed	Net Collections
1921.....	None		
1922.....	43	\$17,870 28	\$17,020 78

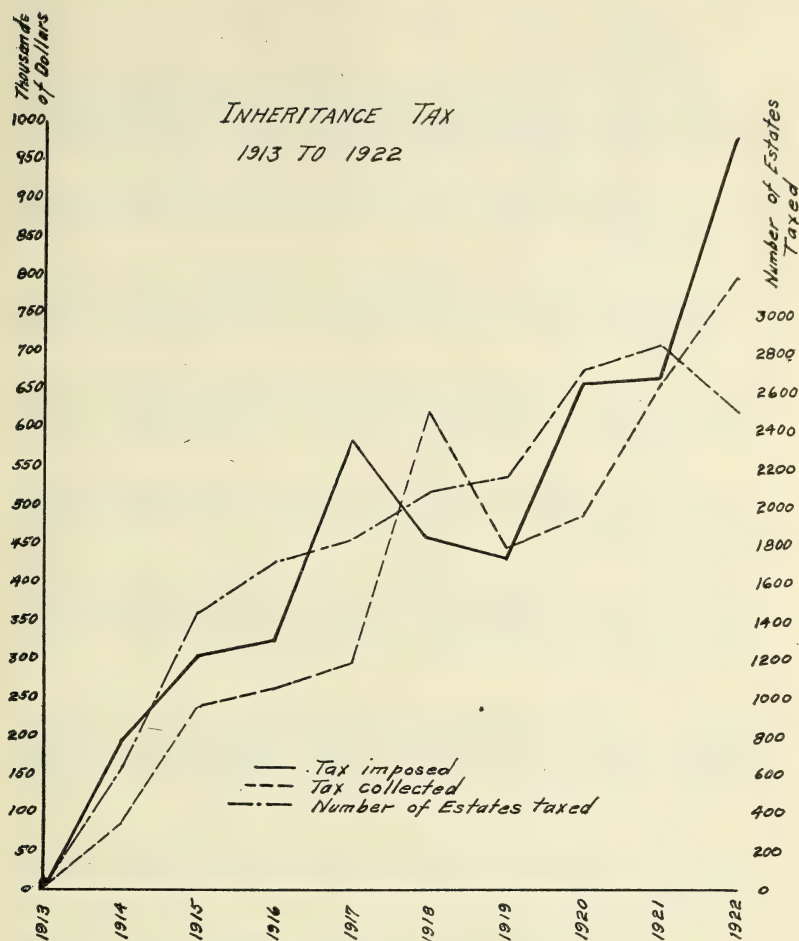
Comparisons for the fiscal years 1921 and 1922 show:

	1921	1922	Increase	Decrease	Per Cent.
Number of estates taxed.....	2,834	2,496		338	11.92
Amount of property.....	\$68,541,449	\$65,990,508		\$2,550,941	3.70
Cost of appraisements.....	30,289	26,138		4,151	13.70
Average value per estate.....	24,185	26,438	\$2,253		9.31
Appraisement cost per \$100 of value.....	.0442	.0396		.0046	10.40
Appraisement cost per \$100 of tax.....	4.33	2.67		1.66	38.33
Average cost per estate.....	11.11	10.47		.64	5.76

ANALYSIS OF 440 ESTATES REPORTED IN ONE QUARTER OF FISCAL YEAR

	No. of Persons	Gross Value Before Exemption	Amount of Tax	Average Value Each Person	Average Tax Each Person	Average Tax Per \$100	Per Cent. of Total Value	Per Cent. Total Tax
Widows.....	142	\$3,177,929	\$56,653 09	\$22,380	\$398 96	\$1.782	30.26	37.69
Widowers.....	31	657,271	11,184 35	21,202	360 78	1.701	6.26	7.44
Parents, gr. parents...	896	5,057,743	42,974 97	5,645	47 96	.850	48.16	28.59
Children, gr. children..	463	845,800	12,961 53	1,826	27 99	1.532	8.05	8.62
Brothers, sisters.....								
Nephews, nieces.....								
Uncles, aunts.....	70	319,989	9,576 02	4,571	136 80	2.992	3.05	6.37
Cousins, etc.....								
Great uncles, gr. aunts								
All others taxed.....	234	347,788	16,957 43	1,486	72 47	4.875	3.31	11.29
Exempted, Religious, Charitable and Edu- cational purposes in Indiana.....	33	95,487		2,893			.91	
Total.....	1,869	\$10,502,007	\$150,307 39				100%	100%
Average tax per \$100..						\$1.44		

INHERITANCE TAX 1913 TO 1922



INHERITANCE TAX STATISTICS

County	Estate Appraised			Net Value of Estates	Tax Imposed	Salaries, Fees and Expenses	Cost per \$100 of Net Value	Cost per \$100 of Tax	Average Cost per Estate Appraised	Average Net Value per Estate	Tax per \$100 of Net Value
	By Appraisers	By Court	Total								
Adams.....	10	3	13	\$248,319 64	\$1,207 78	\$198 50	\$.0799	\$16 43	\$19 85	\$19,101 51	\$0 48
Allen.....	94	8	102	1,933,026 58	20,285 55	632 90	.0327	3 11	6 73	18,951 24	1 04
Bartholomew.....	28		28	961,154 67	9,055 20	492 01	.0511	5 43	17 57	34,326 95	.94
Benton.....	3	3	6	767,171 92	7,897 24	519 40	.0677	6 57	27 33	34,871 45	1 02
Blackford.....	4	1	5	65,473 89	793 63	45 34	.0692	5 71	11 33	13,094 78	1 21
Boone.....	37	2	39	581,322 46	2,710 89	549 86	.0945	20 28	14 86	14,905 70	.46
Brown.....											
Carroll.....	21		21	437,569 73	3,491 15	315 83	.0721	9 04	15 03	20,836 65	.79
Cass.....	50	1	51	915,902 51	7,692 90	6 2 30	.0679	8 08	12 44	17,958 87	.83
Clark.....	8		8	150,633 15	910 15	111 60	.0740	12 26	13 95	18,829 14	.60
Clay.....	5		5	132,806 88	788 39	105 48	.0794	13 37	21 09	26,561 37	.59
Clinton.....	45	2	47	1,180,846 30	13,520 63	234 56	.0198	1 73	5 21	25,124 38	1 14
Crawford.....											
Davies.....	17		17	430,518 38	3,185 57					25,324 61	.73
Dearborn.....	7	7	14	1,702,767 82	35,164 49	187 96	.0110	.53	26 85	12,162 62	2 06
Decatur.....	19	10	29	462,075 50	3,349 82	75 00	.0162	2 23	3 94	15,933 63	.72
DeKalb.....	3	17	20	220,945 65	1,230 39	25 00	.0113	2 03	8 33	11,047 28	.55
Delaware.....	43	1	44	3,198,166 30	104,773 23	371 62	.0116	.35	8 64	72,685 59	3 27
Dubois.....	5	6	11	1,032 59	53 00	53 00	.0328	5 13	10 60	14,689 01	.63
Elkhart.....	31	30	61	691,397 98	4,685 23	267 00	.0386	5 69	8 61	11,334 39	.67
Fayette.....	18		18	378,764 75	5,466 01	133 00	.0351	2 43	7 38	21,042 48	1 44
Floyd.....	12	2	14	178,432 45	3,293 63	126 00	.0718	3 82	10 50	12,530 88	1 87
Franklin.....	18	2	20	318,675 88	2,481 22	199 85	.0827	8 05	11 10	13,933 79	.77
Fulton.....	11	1	12	198,374 41	1,555 31	275 70	.1389	17 72	15 31	10,440 75	.75
Gibson.....	27	2	29	509,508 31	5,247 55	416 02	.0816	27 19	14 06	13,086 97	.41
Grant.....	62	1	63	1,067,786 68	7,940 87	1,059 41	.0992	7 92	15 41	17,569 25	1 02
Greene.....	8	1	9	360,985 51	4,783 80	110 00	.0304	2 29	17 08	16,948 99	.74
Hamilton.....	23		23	364,995 76	1,781 13	325 80	.0892	18 29	14 16	15,869 38	.48
Hancock.....	36	1	37	806,706 94	4,881 66	624 80	.0774	12 79	17 35	21,802 89	.60

Harrison.....	1	1	2	30,012 12	268 69	10 00	.0033	3.72	10.00	15,006 06	.89
Hendricks.....	29	1	30	683,091 53	6,237 46	290 00	.0424	4.64	10.00	22,769 71	.91
Henry.....	34	1	35	924,709 82	6,768 53	551 00	.0474	7.84	15.61	26,420 28	.73
Howard.....	34	10	44	1,297,047 65	17,519 36	321 00	.0248	1.84	9.48	28,478 35	1.35
Huntington.....	37	.....	37	680,725 85	7,907 80	357 84	.0525	4.52	9.67	18,397 99	1.16
Jackson.....	6	.....	6	160,343 00	788 54	75 54	.0471	9.57	12.59	28,723 50	.49
Jasper.....	14	.....	14	328,455 20	2,086 51	177 00	.0538	8.48	12.64	23,461 08	.63
Jay.....	21	20	21	241,959 43	1,225 72	18 20	.0075	1.48	18.20	11,521 87	.50
Jefferson.....	10	1	11	192,774 57	2,134 39	131 00	.0679	6.13	13.10	17,524 96	1.10
Jennings.....	1	1	2	21,032 44	560 15	25 64	.1219	4.57	25.64	10,516 22	2.66
Johnson.....	32	.....	32	559,654 00	4,506 47	434 50	.0776	9.64	13.57	17,489 18	.80
Knox.....	28	.....	28	1,201,702 90	17,912 62	374 22	.0311	2.08	13.36	42,917 96	1.49
Kosciusko.....	7	48	48	751,353 19	4,235 84	.....	.....	.....	.....	15,553 19	.56
Lagrange.....	7	13	20	464,674 03	3,082 68	136 52	.0293	4.41	19.50	28,333 70	.66
Lake.....	.....	73	73	1,168,312 86	16,206 19	.....	.....	.....	.....	10,004 28	1.38
Laporte.....	47	9	56	1,401,278 58	13,388 82	717 45	.0511	5.35	15.26	25,022 83	.95
Lawrence.....	11	10	21	540,988 67	9,617 83	231 50	.0427	2.40	21.04	25,761 36	1.77
Madison.....	45	.....	45	893,807 45	5,928 23	551 41	.0816	9.30	12.25	19,862 38	.66
Marion.....	.....	253	253	13,112,878 71	292,130 29	4,772 04	.0363	1.63	18.86	51,829 56	2.22
Marshall.....	38	1	39	585,179 43	3,239 78	445 65	.0761	13.75	11.72	15,004 60	.55
Martin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Miami.....	28	.....	28	1,157,312 87	19,134 76	320 80	.0277	1.67	11.45	41,350 45	1.65
Monroe.....	9	4	13	96,231 97	618 46	70 00	.0727	11.32	7.77	7,402 45	.64
Montgomery.....	39	2	41	896,334 54	8,966 15	559 43	.0824	6.21	14.34	21,861 81	1.00
Morgan.....	15	1	16	225,013 14	1,707 12	153 50	.0882	8.54	10.23	14,063 32	.79
Newton.....	9	1	10	518,299 88	3,416 18	140 00	.0270	4.09	15.55	51,829 99	.65
Noble.....	33	2	35	485,776 63	3,693 26	337 50	.0735	9.67	10.83	12,879 33	.76
Ohio.....	.....	4	4	22,809 66	169 67	.....	.....	.....	.....	5,727 41	.72
Orange.....	.....	5	5	71,674 40	307 21	.....	.....	.....	.....	14,334 88	.42
Owen.....	4	1	5	67,892 72	447 56	61 66	.0908	13.77	15.41	13,578 54	.65
Parke.....	24	.....	24	541,361 35	4,393 86	273 00	.0504	6.21	11.37	22,556 72	.81
Perry.....	1	1	2	9,996 91	39 96	10 00	.0100	25.00	10.00	4,998 45	.39
Pike.....	4	7	11	223,052 03	1,174 92	51 00	.0228	4.34	12.75	20,277 45	.52
Porter.....	.....	12	12	211,026 67	2,094 27	.....	.....	.....	.....	17,585 55	.99
Posey.....	12	.....	12	257,965 75	2,112 10	139 80	.0541	6.61	11.65	21,497 14	.81
Pulaski.....	8	.....	8	125,866 25	676 68	89 00	.0707	13.15	11.12	15,733 28	.54
Putnam.....	19	.....	19	360,903 58	3,004 16	351 88	.0974	11.71	18.52	18,994 92	.83
Randolph.....	41	1	42	1,088,410 65	9,979 16	434 90	.0399	4.35	10.60	25,914 53	.91
Ripley.....	14	.....	14	199,430 86	1,370 01	163 00	.0817	12.34	11.64	14,245 06	.66
Rush.....	30	.....	30	621,394 49	5,272 82	396 15	.0637	7.51	13.20	20,713 14	.84

INHERITANCE TAX STATISTICS—Continued

COUNTY	Estates Appraised			Net Value of Estates	Tax Imposed	Salaries, Fees and Expenses	Cost per \$100 of Net Value	Cost per \$100 of Tax	Average Cost per Estate Appraised	Average Net Value per Estate	Tax per \$100 of Net Value
	By Appraisers	By Court	Total								
Scott.....	1	.....	1	2,919 00	38 38	9 00	.0308	23 44	9 00	2,919 19	1 31
Shelby.....	33	.....	33	602,565 75	5,746 82	639 44	.1061	11 12	19 37	18,259 56	.95
Spencer.....	5	2	7	232,715 14	1,974 50	86 00	.0369	4 35	17 20	32,387 87	.84
Stark.....	9	1	10	171,617 07	1,705 54	108 00	.0629	6 01	12 00	17,161 71	1 04
Steuben.....	.....	22	22	193,304 16	710 28	.....	.....	.....	.....	8,795 04	.36
St. Joseph.....	42	6	48	990,000 94	11,352 71	721 00	.0728	6 35	17 16	20,625 19	1 14
Sullivan.....	2	12	14	240,628 00	1,390 59	45 70	.0189	3 28	22 85	17,187 71	.57
Switzerland.....	.....	5	5	100,456 10	884 95	.....	.....	.....	.....	20,091 20	.88
Tippecanoe.....	55	.....	55	1,436,155 56	18,875 61	819 53	.0570	4 34	14 90	26,111 91	1 31
Tipton.....	20	.....	20	326,306 98	1,889 83	178 30	.0546	9 43	8 91	16,315 54	.57
Union.....	12	1	13	420,652 12	5,918 93	227 00	.0539	3 83	18 91	32,357 85	1 40
Vanderburgh.....	2	64	66	3,738,387 07	102,091 91	22 70	.0060	.02	11 35	56,649 80	2 73
Vermillion.....	14	2	16	339,956 56	2,827 22	167 50	.0492	5 92	11 96	21,247 28	.83
Vigo.....	58	.....	58	2,228,860 75	34,379 28	.....	.....	.....	.....	38,428 63	1 54
Wabash.....	35	.....	35	405,162 91	2,615 24	206 00	.0508	7 87	5 88	11,576 08	.64
Warren.....	20	.....	20	780,395 48	13,964 63	470 00	.0602	3 36	23 50	39,029 77	1 78
Warrick.....	5	.....	5	125,759 91	676 01	.....	.....	.....	.....	25,151 98	.53
Washington.....	4	.....	4	29,747 28	188 00	.....	.....	.....	.....	7,436 82	.53
Wayne.....	47	22	69	1,476,322 78	17,779 07	369 50	.0250	2 08	7 86	21,403 22	1 20
Wells.....	21	1	22	479,387 72	2,406 87	229 60	.0478	9 54	10 93	21,790 35	.50
White.....	25	1	26	436,801 65	2,675 26	233 80	.0535	8 73	9 35	16,900 06	.61
Whitley.....	19	.....	19	285,907 70	1,620 20	207 00	.0724	12 77	10 89	15,047 77	.56
Total and Averages.....	1,756	740	2,496	\$65,990,508 68	\$978,198 08	\$26,138 19	\$0.0396	\$ 2 67	\$14 88	\$26,438 50	\$1 48

Roster of State and Local Officers; Economic,
Social and Financial Statistics; and
Other Miscellaneous Data.

ROSTER OF STATE OFFICERS, BOARDS AND COMMISSIONS

I. CONSTITUTIONAL OFFICERS ^a

Office	Elected or Appointed	Term Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Governor.....	Elected.....	Four.....	Warren T. McCray (R).....	Kentland.....	Jan. 10, 1921	Jan. 11, 1925	\$8,000
Lieutenant-Governor.....	Elected.....	Four.....	Emmet F. Branch (R).....	Martinsville.....	Jan. 10, 1921	Jan. 11, 1925	1,000 ^b
Secretary of State.....	Elected.....	Two.....	Ed. Jackson (R).....	Indianapolis.....	Nov. 27, 1922	Nov. 27, 1924	6,500
Auditor of State.....	Elected.....	Two.....	Robert Bracken (D).....	Frankfort.....	Nov. 24, 1922	Nov. 24, 1924	7,500
Treasurer of State.....	Elected.....	Two.....	Ora J. Davies (R).....	Kokomo.....	Feb. 10, 1923	Feb. 10, 1925	7,500
Superintendent of Public Instruction.....	Elected.....	Two.....	Benjamin J. Burris.....	Washington.....	Mar. 15, 1923	Mar. 15, 1925	5,000
Adjutant-General.....	App. by Gov.....	Four.....	Harry B. Smith (R).....	Indianapolis.....	Jan. 10, 1921	Jan. 11, 1925	5,000
Clerk Supreme Court.....	Elected.....	Four.....	Zachariah T. Dugan (D).....	Huntington.....	Jan. 1, 1923	Jan. 1, 1927	5,000
Judge Supreme Court.....	Elected.....	Six.....	Julius C. Travis (R).....	Laporte.....	Jan. 1, 1920	Jan. 1, 1926	7,500
			David A. Myers (R).....	Greensburg.....	Jan. 1, 1923	Jan. 1, 1929	7,500
			Louis B. Ewbank (R).....	Indianapolis.....	Jan. 3, 1921	Jan. 3, 1927	7,500
			Howard L. Townsend (R).....	Fort Wayne.....	Jan. 1, 1919	Jan. 1, 1925	7,500
			B. M. Willoughby (R).....	Vincennes.....	Jan. 1, 1919	Jan. 1, 1925	7,500
State Senator.....	Elected.....	Four.....	One or more in each (44) senatorial district ^c		Day after elec'n		\$0 per day
State Representatives.....	Elected.....	Two.....	One or more in each (75) representative or joint representative district ^c		Day after elec'n		\$0 per day
Judge Circuit Court.....	Elected.....	Six.....	One in each (71) judicial circuit.....		January 1 following elec'n		\$4,200 ^d
Prosecuting Attorney.....	Elected.....	Two.....	One in each (71) judicial circuit.....				\$500 and fees ^e

^a As all officers in this group are constitutional, the creation of each office dates back to 1851, when the Constitution was adopted.

^b In addition, the Lieutenant-Governor receives a per diem of \$8.00 during the sessions of the General Assembly.

^c There are 50 state senators, of whom 32 are Republicans and 18 Democrats; there are 100 state representatives, of whom 52 are Republicans and 48 Democrats. In addition to the \$6.00 per day for each day the General Assembly is in session, each senator and representative receives mileage for one round trip.

^d Except in the larger counties where the county commissioners may pay additional compensation.

^e Except in circuits of one county only and having a population of from 71,000 to 150,000 and from 77,000 to 82,000.

II. STATUTORY OFFICES—DEPARTMENT HEADS

Office	Date Created	Elected or Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Attorney General	1855	Elected	Four	Ulysses S. Lesh (R)	Huntington	Jan. 1, 1921	Jan. 1, 1925	\$7,500
Reporter Supreme Court	1852	Elected	Four	Will H. Adams (R)	Wabash	Jan. 13, 1921	Jan. 13, 1925	5,000
Judge Appellate Court	1891	Elected	Four	Ethan A. Dausman (R)	Goshien	Jan. 1, 1921	Jan. 1, 1925	7,500
				Ira C. Batman (R)	Bloomington	Jan. 1, 1921	Jan. 1, 1925	7,500
				Solon A. Enlow (R)	Danville	Jan. 1, 1923	Jan. 1, 1927	7,500
				Charles F. Remy (R)	Indianapolis	Jan. 1, 1923	Jan. 1, 1927	7,500
				Willis C. McMahan (R)	Crown Point	Jan. 1, 1923	Jan. 1, 1927	7,500
				Alonzo L. Nichols (R)	Winchester	Jan. 1, 1923	Jan. 1, 1927	7,500
Fire Marshal	1913	App. by Governor	Four	Newman T. Miller (R)	Indianapolis	April 15, 1921	April 15, 1925	4,000
Superintendent of Public Buildings and Property	1895	App. by Bd. Buildings and Property	Pleasure of Bd.	Roy Couch (R)	Sheridan	April 16, 1921		2,500
State Examiner	1909	App. by Governor	Four	Jesse E. Eschbach (R)	Warsaw	June 6, 1919	May 1, 1923	4,000
Director State Highway Commission	1919	App. by State Highway Commission	Pleasure of Bd.	John D. Williams (R)	Indianapolis			Fixed by Com.
Director Conservation Commission	1919	App. by Conservation Commission	Pleasure of Bd.	Richard Lieber (R)	Indianapolis	April 1, 1919		4,000
State Veterinarian	1901-1919	App. Live Stock Sanitary Board	Pleasure of Bd.	R. C. Julian (R)	Delphi	July 9, 1922	July 9, 1923	Fixed by Board
Clerk State Printing Board	1885-1915	App. by Board Public Printing	Four	Geo. H. Healey (R)	Frankfort	May 26, 1921	June 1, 1925	\$2,700
Clerk Election Commissioners	1915	Ex-Officio Clerk Printing Board	Four	Geo. H. Healey (R)	Frankfort	May 26, 1921	June 1, 1925	No salary.
Secretary State Board of Health	1891	App. by State Board of Health	Four	Dr. W. F. King	Indianapolis	Oct. 1, 1922	Oct. 1, 1926	4,000
Secretary Board of State Charities	1889	App. by Board of State Charities	Pleasure of Bd.	J. A. Brown	Indianapolis	Dec. 26, 1922		Fixed by Board
State Librarian	1841	App. by Library Board	Two	Demarchus C. Brown	Indianapolis	April 1, 1923	April 1, 1925	3,500
Law Librarian	1867	App. Supreme Court	Pleasure of Court	Charles E. Edwards	Danville	July 1, 1918		\$1,800
Secretary Public Library Commission	1890	App. Library Com.	Pleasure of Com.					Fixed by Com.
Director Legislative Reference Bureau	1907-1919	App. by Board	Pleasure of Board	Charles Kettleborough	Indianapolis	April 1, 1919		Fixed by Board
Superintendent Soldiers' and Sailors Monument	1901	App. Bd. Control	Pleasure of Board	Oran Perry	Indianapolis	Oct. 1, 1918		\$1,800
State Chemist	1881	Ex-Officio		E. G. Proulx, Professor Chemistry, Purdue Univ.	Lafayette	Aug. 31, 1917		\$500 and fees.

III. STATUTORY OFFICES—DEPUTIES AND CHIEFS OF DIVISIONS

OFFICE	Date Created	Appointing Power	Term, Years	Present Incumbent	Residence	Term Began	Term Expires	Salary
Secretary to Governor	1852	Governor	Pleasure of Gov.	Miss Adah E. Bush (R.)	Indianapolis	Jan. 10, 1921	.....	.....
Bank Commissioner	1920	Governor	Four	Elen H. Wolcott (R)	Indianapolis	Mar. 1, 1923	.....	\$5,000
Commissioner of Insurance	1920	Governor	Four	T. S. McMurray, Jr. (R)	.....	April 1, 1922	Oct. 1, 1926	4,000
Building and Loan Clerk	1877	Governor	Two	Charles F. Harper	Indianapolis	Mar. 6, 1923	.....	2,500
Clerk Land Department	1877	Auditor of State	Pleasure of Aud.	George M. Cheney	Indianapolis	Dec. 22, 1922	.....	1,800
Secretary Tax Commission	1919	Commission	Pleasure of Com.	Wm. C. Harrison	Hannond	Mar. 11, 1919	.....	.....
Inheritance Tax Investigator	1913	Governor's	Pleasure of Gov.	Schuyler C. Mower	Monticello	Sept. 3, 1921	.....	2,000
Geologist	1889-1919	Conservation	Pleasure of Com.	W. N. Logan	Bloomington	April 1, 1919	.....	No salary.
Entomologist	1899-1919	Conservation	Pleasure of Com.	Frank N. Wallace	Indianapolis	April 1, 1919	.....	Fixed by Com.
Forester	1901-1919	Conservation	Pleasure of Com.	Charles C. Dean	Bluffton	April 1, 1919	.....	Fixed by Com.
Supt. Lands and Waters	1919	Conservation	Pleasure of Com.	Chas. G. Sauters	Indianapolis	May 14, 1919	.....	No salary
Supt. Fisheries and Game	1881-1919	Conservation	Pleasure of Com.	George N. Mannfeld	.....	Aug. 21, 1919	.....	Fixed by Com.
Engineer	1921	Commission	Pleasure of Com.	W. K. Hatt	Lafayette	May 1, 1921	.....	No salary
High School Inspector	1913	App. Supt. Public Instruction	Pleasure of Bd. of Education	E. E. Ramsey	.....	Aug. 1, 1922	.....	\$3,000
Director Vocational Education	1913	App. Supt. Public Instruction	Pleasure of Supt.	Z. M. Smith	Lafayette	June 20, 1913	.....	.....
Supervisor Agric. Education	1913	App. Supt. Public Instruction and Purdue Teachers' Training Board	Pleasure of Supt.	Z. M. Smith	Lafayette	Jan. 2, 1915	.....	Fixed by Board
Supervisor of Teachers' Training	1919	Board	Pleasure of Bd.	Charles M. Curry, Jr.	Terre Haute	Oct. 9, 1922	.....	Fixed by Board
Executive Secy. Teachers' Retirement Fund	1915	Pension Board	Pleasure of Bd.	Estes Duncan	Cloverdale	Aug. 1, 1921	.....	Fixed by Board
Supt. Laboratory of Hygiene	1905	App. State Board of Health	Pleasure of Bd.	A. G. Long	Indianapolis	June 12, 1922	.....	Fixed by Board
Supt. Chemical Division	1905	App. State Board of Health	Pleasure of Bd.	I. L. Miller	Indianapolis	Nov. 1, 1919	.....	.....
Food and Drug Commissioner	1905	App. State Board of Health	Pleasure of Bd.	H. M. Wright	Indianapolis	Sept. 1, 1917	.....	Fixed by Board
Com r Weights and Measures	1911	App. by Com.	Pleasure of Com.	L. C. Loughry	Monticello	May 1, 1921	.....	\$3,600
Supervision of Oil Statistics	1919	App. by Com.	Pleasure of Com.	Earl L. Carter	Indianapolis	.....	.....	Fixed by Com.
Registrar Vital Statistics	1891	App. by Board	Pleasure of Bd.	Leland K. Fishback	Richmond	Sept. 1, 1922	.....	\$2,500
Secretary Public Service Commission	1913	App. by Board	Pleasure of Bd.	.....	.....	.....	.....	.....
Engineer Public Service Commission	1913	App. by Board	Pleasure of Bd.	.....	.....	.....	.....	.....
Secretary Industrial Board	1915	App. by Board	Pleasure of Bd.	.....	.....	.....	.....	.....

Inspector of Boilers.....	1911	App. Indus. Bd.....	Pleasure of Bd...	Benj. W. Bissell.....	Edinburg.....	.....	Fixed by Board
Inspector of Factories.....	1911	App. Indus. Bd.....	Pleasure of Bd...	James E. Reagin.....	Terre Haute.....	Sept. 28, 1918	\$2,000
Inspector of Mines.....	1905 ^a	App. Indus. Bd.....	Pleasure of Bd...	Cary Littlejohn.....	Hymers.....	Jan. 13, 1919	2,500
Chief Women's Department.....	1918-	App. Indus. Bd.....	Pleasure of Bd...	Mrs. L. Luella Cox.....	East Chicago....	Feb. ..., 1918	Fixed by Board
Engineers Highway Commission.....	1917- 1919	App. Director <i>k</i>	Pleasure of Com.	A. H. Hinkle, Maintenance C. Gray, Chief..... Wm. J. Titus, Bridge....	.....	.....	Fixed by Com. ^f

^f Subject to the approval of the Governor.

^g First date year of original creation; last date year re-established in the present form.

^h On recommendation of Tax Commission.

Subject to approval of Conservation Commission.

ⁱ Acting.

^k With the approval of the Commission.

IV. PERMANENT STATE BOARDS AND COMMISSIONS—APPOINTEE AND EX-OFFICIO

DEPARTMENT	Date Created	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Board of Tax Commissioners	1891	Governor.	Four.	William A. Hough (R)...	Greenfield.....	Sept. 1, 1921	Sept. 1, 1925	\$4,500
	1875-1913 ^g	Governor.	Four.	John J. Brown (R)..... Philip Zoercher (D).....	Indianapolis.....	Dec. 1, 1920 Jan. 8, 1923	Dec. 1, 1924 Jan. 8, 1927	\$4,500 4,500
Board of Education		Ex-officio.	Two.	Benjamin J. Burris.....	Washington.....	Mar. 15, 1923	Mar. 15, 1925	No salary
		Ex-officio.		W. L. Bryan, Pres. Ind. U. Edward C. Elliott, Presi- dent Purdue University	Bloomington.....	Jan. 21, 1903	.....	No salary
		Ex-officio.		Linnaeus N. Hines, Presi- dent State Normal.....	Lafayette.....	Sept. , 1922	.....	No salary.
		Ex-officio.		E. U. Graff, Supt. Schools	Terre Haute.....	Sept. 20, 1917	.....	No salary.
		Ex-officio.		L. P. Benezat, Supt. Schools	Indianapolis.....	Dec. 9, 1916	.....	No salary.
		Ex-officio.		Louis C. Ward, Supt. of Schools.....	Evansville.....	.....	.....	No salary.
Public Service Commission		Governor.	Four.	Mrs. Richard Edwards.....	Fort Wayne.....	Nov. , 1920	.....	No salary.
		Governor.	Four.	George R. Grose.....	Greencastle.....	Jan. 23, 1922	May 4, 1925	No salary.
		Governor.	Four.	Elwood Haynes.....	Kokomo.....	May 1, 1921	May 1, 1925	\$5 per day.
		Governor.	Four.	Mrs. E. E. Ocott (D).....	North Vernon.....	May 10, 1919	May 1, 1923	\$5 per day.
		Governor.	Four.	Harry Fidler (R).....	Indianapolis.....	May 10, 1919	May 1, 1923	\$5 per day.
		Governor.	Four.	Clifford Funderburg.....	Huntington.....	May 10, 1920	May 1, 1924	No salary.
	1913	Governor.	Four.	John W. McCardle (R).....	Indianapolis.....	May 1, 1921	May 1, 1925	\$6,000
				Edgar Blessing (R).....	Danville.....	May 17, 1921	May 1, 1923	6,000
				Glenn Van Aukun (D).....	Auburn.....	June 2, 1919	May 1, 1923	6,000
				Maurice Douglass (D).....	Flat Rock.....	Dec. 15, 1921	May 1, 1925	6,000
Industrial Board		Governor.	Four.	Oscar Ratts (R).....	Paoli.....	Dec. 15, 1921	May 1, 1924	6,000
	1915			Samuel R. Artman (R).....	Lebanon.....	Mar. 16, 1922	Mar. 16, 1926	4,000
				Kinney Dresser (R).....	Indiana Harbor	Mar. 20, 1919	Mar. 20, 1923	4,000
				Thomas Roberts (R).....	Indianapolis.....	May 17, 1919	May 17, 1923	4,000
				Thomas A. Riley (D).....	Terre Haute.....	May 24, 1921	May 24, 1925	4,000
Board of Health		Governor.	Four.	Charles Fox (D).....	Lafayette.....	Sept. 15, 1920	Mar. 16, 1924	4,000
				Charles B. Kern (R).....	Lafayette.....	April 27, 1920	May 6, 1923	No salary
	1891			J. H. Hewitt (R).....	Terre Haute.....	April 27, 1920	May 6, 1923	No salary.
				Hugh A. Cowing (R).....	Muncie.....	April 14, 1921	April 14, 1925	No salary.
				William F. King, Secy.....	Indianapolis.....	Oct. 1, 1922	Oct. 1, 1926	\$3,000
				Dr. Adah McMahan (R).....	Lafayette.....	April 22, 1921	April 22, 1925	No salary.

Board of State Charities.....	1889	Ex-officio. Governor.....	Four. Three.....	Warren T. McCray (Gov.) Wm. J. Savers Francis H. Gavisk. Mary A. Spink Rabbi Morris M. Feuerlicht Mrs. John Lee Dinwiddie (R)	Kentland. Muncie..... Indianapolis Indianapolis Indianapolis	Jan. 10, 1921 Mar. 1, 1923 Mar. 10, 1925 Mar. 10, 1925 Mar. 10, 1925 Nov. 1, 1923	No salary. No salary. No salary. No salary. No salary.
Highway Commission.....	1917- 1919 <i>g</i>	Governor.....	Four.....	L. A. Harriman Earl Crawford (D) Alvin V. Burch (R) Walter G. Zahrt (D) Charles Ziegler (R) Stanley Coulter (R) John W. Holtzman (D) E. Mortimer Wilson (D) W. A. Guthrie (R) Dr. Josiah H. Mills (D) Dr. Edward J. Tansey (R) John W. Van Atta (R) R. C. Jenkins (D) Elizabeth C. Earl C. H. Oldfather Thomas C. Howe	Comersville Evansville Fort Wayne Attica..... Lafayette Indianapolis Anderson Indianapolis Russiaville Muncie..... Monrovia Lafayette Muncie..... Crawfordsville Bloomington Lafayette Indianapolis Kentland Frankfort Warsaw Indianapolis Indianapolis Crawfordsville Kentland	Feb. 1, 1921 April 4, 1924 April 17, 1926 April 17, 1926 April 17, 1926 April 17, 1924 April 1, 1924 April 1, 1925 April 1, 1926 April 1, 1923 June 8, 1925 June 8, 1925 June 8, 1923 June 8, 1924 June 8, 1923 April 6, 1926 April 6, 1923	No salary. No salary. 10 per day. 10 per day. 10 per day. 10 per day. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary.
Conservation Commission.....	1919	Governor.....	Four.....	Ed. Jackson, Secretary of State (R) Robert Bracken (D) Warren T. McCray (R) William W. Spencer (D) Maurice E. Fennart (R) Ed. Jackson, Secretary of State (R)	Lafayette Frankfort Kentland Indianapolis Indianapolis	Nov. 27, 1922 Nov. 24, 1924 Jan. 10, 1921 Mar. 6, 1922 Mar. 6, 1922	No salary. No salary. No salary. No salary. No salary.
Live Stock Sanitary Board.....	1919	Governor.....	Four.....	Ora J. Davies (R), Treasurer of State Ulysses S. Jesh, (R) Attorney-Gen.	Lafayette Kokomo..... Huntington.....	Nov. 27, 1924 Feb. 10, 1925 Jan. 1, 1925	No salary. No salary. No salary.
Public Library Commission.....	1899	Governor.....	Four.....	President I. U. President Purdue State Librarian Four..... Two..... Four..... Four.....	Muncie..... Indianapolis Indianapolis Frankfort Warsaw Indianapolis Indianapolis Crawfordsville Kentland	Jan. 10, 1921 May 15, 1919 April 1, 1919 Sept. 1, 1922 April 1, 1919 Jan. 10, 1921 Nov. 24, 1922 June 6, 1919 June 6, 1919 Jan. 1, 1921 Jan. 1, 1922 April 9, 1919 Jan. 10, 1921	No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary.
Board Legislative Reference Bureau.....	1919	Ex-officio.....	President I. U. President Purdue State Librarian	Dr. W. L. Bryan Edward C. Elliott Demetrius C. Brown Warren T. McCray (R) Robert Bracken (D) Jesse E. Eschbach (R) Adolph Seidensticker (D) Frank L. Hovis (R) Albert D. Thomas (R) Warren T. McCray (Gov.) Ed. Jackson Secretary of State (R)	Indianapolis Lafayette Indianapolis Kentland Frankfort Warsaw Indianapolis Indianapolis Crawfordsville Kentland	Jan. 10, 1925 Jan. 10, 1925 May 1, 1925 May 1, 1925 Jan. 1, 1926 Jan. 1, 1926 April 9, 1923 Jan. 10, 1925	No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary.
Board of Accounts.....	1909	Ex-officio.....	Four.....	Warren T. McCray (R) Robert Bracken (D) Jesse E. Eschbach (R) Adolph Seidensticker (D) Frank L. Hovis (R) Albert D. Thomas (R) Warren T. McCray (Gov.) Ed. Jackson Secretary of State (R)	Indianapolis Indianapolis Kentland Frankfort Warsaw Indianapolis Indianapolis Crawfordsville Kentland	Jan. 10, 1925 Jan. 10, 1925 May 1, 1925 May 1, 1925 Jan. 1, 1926 Jan. 1, 1926 April 9, 1923 Jan. 10, 1925	No salary. No salary. No salary. No salary. No salary. No salary. No salary. No salary.
Pardon Board.....	1903	Governor.....	Four.....	Warren T. McCray (Gov.) Ed. Jackson Secretary of State (R)	Indianapolis Indianapolis Crawfordsville Kentland	Jan. 1, 1925 Jan. 1, 1925 Jan. 1, 1926 Jan. 1, 1926	No salary. No salary. No salary. No salary.
Board of Public Buildings and Property.....	1895	Ex-officio.....	Four.....	Warren T. McCray (Gov.) Ed. Jackson Secretary of State (R)	Indianapolis Indianapolis Crawfordsville Kentland	Jan. 10, 1925 Jan. 10, 1925 Jan. 1, 1926 Jan. 1, 1926	No salary. No salary. No salary. No salary.
State Board of Election Commissioners.....	1889	Ex-officio.....	Two.....	Robert Bracken (D) Warren T. McCray (R) William W. Spencer (D) Maurice E. Fennart (R) Ed. Jackson, Secretary of State (R)	Lafayette Frankfort Kentland Indianapolis Indianapolis	Nov. 27, 1924 Nov. 24, 1924 Jan. 10, 1921 Mar. 6, 1922 Mar. 6, 1922	No salary. No salary. No salary. No salary. No salary.
State Board of Canvassers.....	1915	Ex-officio.....	Two.....	Ora J. Davies (R), Treasurer of State Ulysses S. Jesh, (R) Attorney-Gen.	Lafayette Kokomo..... Huntington.....	Nov. 27, 1924 Feb. 10, 1925 Jan. 1, 1925	No salary. No salary. No salary.

IV. PERMANENT STATE BOARDS AND COMMISSIONS—APPOINTEE AND EX-OFFICIO—Continued

DEPARTMENT	Date Created	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Board of Public Printing.....	1885-1921 ^g	Ex-officio.....	Four.....	Warren T. McCray (R), Gov.....	Kentland.....	Jan. 10, 1921	Jan. 10, 1925	No salary.
		Ex-officio.....	Two.....	Ed. Jackson, Secretary of State (R).....	.....	Nov. 27, 1922	Nov. 27, 1924	No salary.
		Ex-officio.....	Two.....	Robert Braeken, Auditor of State (D).....	Frankfort.....	Nov. 24, 1922	Nov. 24, 1924	No salary.
		Ex-officio.....	Four.....	Will H. Adams, Reporter Supreme Court (R).....	Wabash.....	Jan. 13, 1921	Jan. 13, 1925	No salary.
		Ex-officio.....	Four.....	Jesse E. Eschbach (R), Lawrence F. Orr (R).....	Warsaw.....	June 6, 1919	May 1, 1923	No salary.
Board Certified Accountants.....	1915	Governor.....	Four.....	Walter G. Owens (D).....	Columbus.....	June 7, 1921	June 7, 1925	No salary.
				Robert J. Cook (R).....	Bedford.....	July 2, 1919	June 7, 1923	No salary.
Board of Pharmacy.....	1899	Governor.....	Four.....	Robert J. Beddoe (D).....	Goodland.....	May 6, 1921	May 6, 1925	No salary.
				Edward A. Stuckmeyer (D) President.....	Bedford.....	May 1, 1922	May 6, 1926	
Board of Medical Registration and Examination	1897	Governor.....	Four.....	Charles E. Reed (R).....	Indianapolis.....	May 6, 1919	May 6, 1923	
				Frank B. Meyer (R).....	Winchester.....	May 11, 1920	May 6, 1924	
				J. B. Kinsinger (R).....	Gary.....	May 11, 1920	May 6, 1924	
				Wm. R. Davidson (R).....	Rushville.....	April 24, 1922	April 18, 1925	
				J. W. Bowers (R).....	Evansville.....	Jan. 5, 1922	April 23, 1925	
Board of Registration and Examination of Nurses	1905	Governor.....	Three.....	W. A. Spurgeon (R).....	Fort Wayne.....	April 23, 1922	April 23, 1926	
				Eldridge U. Shanklin (D).....	Muncie.....	Aug. 2, 1922	April 23, 1926	
				Wm. T. Gott (D), Secy.....	Hammond.....	Aug. 2, 1920	April 23, 1923	
				Ida J. McCaslin, Secretary	Crawfordsville.....	Aug. 2, 1920	April 23, 1923	\$250
				Clare Brook (D).....	Lebanon.....	July 9, 1921	July 9, 1925	1, 200
Optometry Board.....	1907	Governor.....	Three.....	Nellie Brown (R).....	Indianapolis.....	July 9, 1922	July 9, 1925	\$5 per day.
				Mary Louise Happel (R).....	Indianapolis.....	July 9, 1921	July 9, 1923	\$5 per day.
				Elizabeth Springer (R).....	Evansville.....	July 9, 1921	July 9, 1923	\$5 per day.
				Dr. C. D. Adair (R).....	Huntington.....	July 9, 1921	July 9, 1923	\$5 per day.
				Howard M. Cantwell (R).....	Elwood.....	July 9, 1921	July 9, 1923	\$10 per day.
Board of Embalmers.....	1901	Governor.....	Four.....	Dr. John H. Ellis (R).....	Indianapolis.....	May 19, 1920	May 19, 1923	
				Orris Booth (D).....	South Bend.....	July 11, 1922	May 19, 1923	
				B. L. Kruckemeyer (R).....	Valparaiso.....	May 19, 1922	May 19, 1925	
				Marion B. Stults (R).....	Evansville.....	May 19, 1922	May 19, 1925	
				John Paul Ragsdale (D).....	Huntington.....	Jan. 9, 1921	Jan. 9, 1924	\$5 per day.
				Chas. Ewing (D).....	Indianapolis.....	May 15, 1921	May 15, 1925	\$5 per day.
				J. U. Maynard (R), Secy..	Shelbyville.....	April 22, 1922	April 22, 1925	\$300
				Harry M. Allen (R).....	Winchester.....	April 22, 1919	June 14, 1923	\$5 per day.

Board of Dental Examiners.....	1913	Dental Association..... Dental Association.....	Two.....	V. H. Knapp, President. Henry C. McKittrick, Secy-Treas. Robert R. Gillis. C. A. Nixon. E. C. Bachfield (R).	Evansville..... Indianapolis..... Hammond..... June 28, 1921 June 28, 1921 June 28, 1921 June 28, 1921 June 22, 1921	June 28, 1921 June 28, 1923 June 22, 1923 June 28, 1923 June 22, 1923	\$10 per day.
Board Control, Soldiers' and Sailors' Monument.....	1901	Governor.....	Three.....	A. B. Crampton (D) Daniel Smith (R) Thomas B. Springer (R) Warren T. McCray (R) Ed. Jackson (R), Secretary of State.	Indianapolis..... Kokomo..... Sullivan..... Kentland..... Lafayette.....	Jan. 23, 1922 Dec. 26, 1922 Nov. 1, 1920 Jan. 10, 1921 Nov. 27, 1922	Nov. 1, 1924 No salary. No salary. No salary. No salary.
State Charter Board.....	1915	Ex-officio.....	Four.....	Robert Bracken, Auditor of State (D) Robert Bracken, Auditor of State (D) Warren T. McCray (R), Governor.	Frankfort..... Frankfort..... Kentland.....	Nov. 24, 1922 Nov. 24, 1922 Jan. 10, 1921	No salary. No salary. No salary.
State Finance Board.....	.....	Ex-officio.....	Four.....	R. bert Bracken, Auditor of State (D) Ora J. Davies (R), Treasurer of State Board Trustees for Blind Thomas C. Howe (R) James M. Larnore. Donald DuShane. Miss Florence Case. Eben H. Wolcott. R. L. McCormick. Chas. W. Cole. Clyde A. Walb. Harvey Mitchell Anthony Herbert Foltz.	Frankfort..... Kokomo..... Indianapolis..... Anderson..... Columbus..... Marion..... Indianapolis..... Terre Haute..... South Bend..... Lagrange..... Muncie..... Indianapolis..... Evansville..... Plainfield..... Anderson..... Peru..... Jeffersonville..... Fort Wayne.....	Nov. 24, 1922 Feb. 10, 1923 Aug. 1, 1922 Aug. 1, 1926 Aug. 1, 1923 Aug. 1, 1924 Aug. 1, 1925 Aug. 1, 1925 Jan. 1, 1923 Jan. 1, 1923 Jan. 1, 1924 Jan. 1, 1925 Jan. 1, 1925 June 28, 1926 June 28, 1924 June 28, 1924 June 28, 1925 June 28, 1925 June 8, 1925	No salary. No salary. No salary. No salary.
Board Industrial Aid for Blind Teachers' Retirement Fund.....	1915 1915- 1921 ^g	Ex-officio..... Governor.....	Four..... Four.....	Thomas C. Howe (R) James M. Larnore. Donald DuShane. Miss Florence Case. Eben H. Wolcott. R. L. McCormick. Chas. W. Cole. Clyde A. Walb. Harvey Mitchell Anthony Herbert Foltz.	Kokomo..... Indianapolis..... Anderson..... Columbus..... Marion..... Indianapolis..... Terre Haute..... South Bend..... Lagrange..... Muncie..... Indianapolis..... Evansville..... Plainfield..... Anderson..... Peru..... Jeffersonville..... Fort Wayne.....	Feb. 10, 1923 Aug. 1, 1922 Aug. 1, 1926 Aug. 1, 1923 Aug. 1, 1924 Aug. 1, 1925 Aug. 1, 1925 Jan. 1, 1923 Jan. 1, 1923 Jan. 1, 1924 Jan. 1, 1925 Jan. 1, 1925 June 28, 1926 June 28, 1924 June 28, 1924 June 28, 1925 June 28, 1925 June 8, 1925	No salary. No salary. No salary.
Board of Registration of Engineers.....	1921	Governor.....	Four.....	Clyde A. Walb. Harvey Mitchell Anthony Herbert Foltz.	South Bend..... Lagrange..... Muncie..... Indianapolis..... Evansville..... Plainfield..... Anderson..... Peru..... Jeffersonville..... Fort Wayne.....	Jan. 1, 1923 Jan. 1, 1924 Jan. 1, 1925 Jan. 1, 1925 June 28, 1926 June 28, 1924 June 28, 1924 June 28, 1925 June 28, 1925 June 8, 1925	No salary.
Advisory Juvenile Commission.....	1921	Governor.....	Four.....	Chas. A. McGonagle. Mrs. Ella B. Keltner. Mrs. John W. Bossard. John R. Nutter. Carina C. Warrington.	Indianapolis..... Evansville..... Plainfield..... Anderson..... Peru..... Jeffersonville..... Fort Wayne.....	Jan. 1, 1925 June 28, 1926 June 28, 1924 June 28, 1924 June 28, 1925 June 28, 1925 June 8, 1925	\$3,000
Juvenile Probation Officer.....	1921	Governor.....	Four.....	Carina C. Warrington.	Fort Wayne.....	June 8, 1921	

^g First date year of original creation; last date year re-established in present form.

V. STATE EDUCATIONAL INSTITUTIONS

LEGAL TITLE	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Indiana University (Trustees).....	Bd. of Education.....	.....	Benjamin F. Long.....	Logansport.....	.....	1924	
	Alumni.....	.....	Edwin Corr.....	Bloomington.....	.....	1924	
	.....	.....	Samuel E. Smith.....	Richmond.....	.....	1922	
	Bd. of Education.....	.....	Ira C. Betman.....	Bloomington.....	.....	1923	
	.....	.....	Frank H. Hatfield.....	Evansville.....	.....	1923	
	Alumni.....	.....	James W. Fesler.....	Indianapolis.....	.....	1923	
	Bd. of Education.....	.....	Charles M. Niezer.....	Fort Wayne.....	.....	1923	
	.....	.....	George Ball.....	Muncie.....	.....	1924	
	Bd. of Education.....	.....	John A. Hillenbrand.....	Batesville.....	July 1, 1921	July 1, 1923	
	Governor.....	.....	C. M. Hobbs.....	Bridgeport.....	July 1, 1922	July 1, 1925	
Purdue University (Trustees).....	Governor.....	.....	James W. Noel.....	Indianapolis.....	July 1, 1921	July 1, 1923	
	Governor.....	.....	Joseph D. Oliver.....	South Bend.....	July 1, 1921	July 1, 1921	
	Governor.....	.....	Mrs. Virginia C. Merdith.....	Lafayette.....	July 1, 1922	July 1, 1925	
	Governor.....	.....	Henry W. Marshall.....	Lafayette.....	July 1, 1921	July 1, 1924	
	Governor.....	.....	Franklin F. Chandler.....	Indianapolis.....	July 1, 1922	July 1, 1925	
	Alumni.....	.....	David E. Ross.....	Lafayette.....	July 1, 1922	July 1, 1924	
	Alumni.....	.....	Perry H. Crane.....	Zionsville.....	July 1, 1921	July 1, 1924	
	Governor.....	Four.....	Walter E. Rich (D).....	Indianapolis.....	Jan. 1, 1922	Jan. 1, 1926	\$300
	.....	.....	Charles Butler (R).....	Crawfordsville.....	Jan. 8, 1921	Jan. 1, 1925	300
	.....	.....	Mrs. William A. Hough (R).....	Greenfield.....	Jan. 1, 1920	Jan. 1, 1924	
School for Blind (Trustees).....	.....	.....	W. D. Bynum (R).....	Indianapolis.....	Aug. 2, 1920	May 6, 1923	
	Governor.....	Four.....	Wm. M. Wadschmidt (R).....	Cannelton.....	Jan. 1, 1923	Jan. 1, 1925	\$300
	.....	.....	Kirby Risk (D).....	Lebanon.....	Jan. 1, 1921	Jan. 1, 1924	300
	.....	.....	John C. Williams (D).....	Anderson.....	Jan. 1, 1921	Jan. 1, 1925	300
	.....	.....	Warren S. Bigler (R).....	Wabash.....	Nov. 5, 1919	Feb. 10, 1923	300
State Normal School (Trustees).....	Governor.....	Four.....	Sanford M. Keltner (R).....	Anderson.....	Feb. 1, 1922	Feb. 1, 1926	\$5 per day.
	.....	.....	Frank Ball (R).....	Muncie.....	June 1, 1922	June 1, 1926	
	.....	.....	Charles A. Greathouse (D).....	Indianapolis.....	July 8, 1922	Jan. 6, 1924	
	Helen C. Benbridge (R).....	Terre Haute.....	July 8, 1922	Jan. 6, 1924	
	

VI. STATE BENEVOLENT INSTITUTIONS

STATE OFFICERS

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LEGAL TRUSTS	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Soldiers' and Sailors' Orphans' Home (Trustees)	Governor.....	Four.....	Joseph Minturn.....	Indianapolis.....	June 8, 1921	June 8, 1925	\$300
			James S. Engle (R).....	Winchester.....	Aug. 12, 1921	June 8, 1925	
School for Feeble-Minded Youth (Trustees)	Governor.....	Four.....	Daniel F. Mustard (D).....	Anderson.....	June 8, 1921	June 8, 1925	\$300
			Mrs. Ida S. McBride.....	Indianapolis.....	June 8, 1921	June 8, 1925	
			W. H. Ball.....	Indianapolis.....	June 8, 1921	June 8, 1925	
			James W. Sale (R).....	Bluffton.....	Mar. 6, 1919	May 6, 1923	
Soldiers' Home (Trustees).....	Governor.....	Four.....	Edward Wilson (D).....	Fort Wayne.....	May 6, 1919	May 6, 1923	\$300
			T. F. Fitzgibbon (D).....	Muncie.....	April 7, 1921	April 7, 1925	
			Mrs. E. A. Gould (R).....	Peru.....	Aug. 16, 1921	Mar. 26, 1925	
			David N. Foster.....	Fort Wayne.....	May 10, 1921	May 10, 1925	
Central Hospital for Insane (Trustees)	Governor.....	Four.....	Dr. Clark Rogers.....	Indianapolis.....	May 10, 1921	May 10, 1925	\$300
			John Bennett Lyons.....	Brook.....	May 10, 1921	May 10, 1924	
			Caroline B. Morrison.....	Lafayette.....	May 10, 1921	May 10, 1924	
			Winfield T. Durbin.....	Anderson.....	May 10, 1921	May 10, 1923	
Eastern Hospital for Insane (Trustees)	Governor.....	Four.....	Eph. Imman (D).....	Indianapolis.....	Jan. 1, 1920	Jan. 1, 1924	\$300
			Bert E. Page (R).....	Nellott.....	Jan. 1, 1921	Jan. 1, 1925	
			Miss May Helmer (R).....	Terre Haute.....	Jan. 1, 1922	Jan. 1, 1926	
			Charles Jenkins (D).....	Noblesville.....	April 21, 1919	April 10, 1923	
Northern Hospital for Insane (Trustees)	Governor.....	Four.....	Theodore Bailey (R).....	Portland.....	Jan. 1, 1922	Jan. 1, 1926	\$300
			Mrs. A. K. V. Kennedy (D).....	Liberty.....	Jan. 8, 1921	Jan. 1, 1925	
			Joseph L. Cowing (R).....	Rushville.....	Jan. 1, 1921	Jan. 1, 1925	
			Albert R. Jones (D).....	Hagerstown.....	Nov. 21, 1922	May 6, 1923	
Southern Hospital for Insane (Trustees)	Governor.....	Four.....	Henry B. Wilson (D).....	Delphi.....	Jan. 1, 1920	Jan. 1, 1924	\$300
			Mrs. Emma B. Dalton.....	Winamac.....	Jan. 1, 1922	Jan. 1, 1926	
			A. E. Babcock (R).....	Kewanna.....	Dec. 11, 1922	Jan. 1, 1925	
			Moses Epstein (D).....	Frankfort.....	April 10, 1919	April 10, 1923	
Southeastern Hospital for Insane (Trustees)	Governor.....	Four.....	Wood Posey (D).....	Terre Haute.....	Jan. 8, 1921	May 6, 1923	\$300
			Joseph L. Bayard, Jr. (R).....	Sullivan.....	Jan. 1, 1920	Jan. 1, 1924	
			J. T. Akin.....	Vincennes.....	Jan. 1, 1921	Jan. 1, 1925	
			Bird H. Davis (R).....	Newport.....	May 10, 1919	May 6, 1923	
Village for Epileptics (Trustees).....	Governor.....	Four.....	John A. Gunn.....	Bedford.....	Aug. 1, 1920	Aug. 1, 1924	\$300
			Mrs. Lucian Harris (R).....	Rising Sun.....	Nov. 1, 1921	Nov. 1, 1925	
			John F. Russell (D).....	Greensburg.....	Aug. 1, 1922	Aug. 1, 1926	
			James W. Lilly (R).....	Indianapolis.....	Aug. 1, 1919	Aug. 1, 1923	
State Sanatorium (Trustees).....	Governor.....	Four.....	Wilmer Christian (D).....	Indianapolis.....	Mar. 15, 1921	Mar. 15, 1925	\$300
			Harry C. Seacore (R).....	Mooreville.....	Mar. 15, 1922	Mar. 15, 1926	
			Rush G. Budd (D).....	Rushville.....	Mar. 15, 1919	Mar. 15, 1923	
			I. M. Bridgman (R).....	Brookville.....	Mar. 15, 1920	Mar. 15, 1924	
State Sanatorium (Trustees).....	Governor.....	Four.....	Parke Beadle (D).....	Rockville.....	May 24, 1920	May 24, 1924	\$300
			Mrs. Nevada Duncan (D).....	Gloverdale.....	Feb. 14, 1922	May 24, 1926	
			Dr. Alfred Henry (R).....	Indianapolis.....	Jan. 25, 1923	May 24, 1926	
			Clement E. Kelley (R).....	Clayton.....	May 24, 1919	May 24, 1923	

VI. STATE BENEVOLENT INSTITUTIONS—Continued

LEGAL TITLE	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Farm Colony For Feeble-Minded (Trustees)	Governor	Four	Wm. P. Keller (R) Wm. Atkinhead (D) Elmer E. Scott (D) Wm. L. Clark (R)	Columbus Lafayette Madison Seymour	Jan. 2, 1921 Jan. 2, 1922 Jan. 2, 1923 May 26, 1920	Jan. Jan. Jan. Jan. 2, 1925 2, 1926 2, 1927 2, 1924	No salary.

VII. STATE CORRECTIONAL INSTITUTIONS

LEGAL TITLE	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began	Term Expires	Salary
Boys' School (Trustees)	Governor	Four	Edwin M. Carter (R) Jacob G. DePrez (D) Jesse A. Green (R) Perry Davis (D)	Rockville Shelbyville Fort Wayne Clarks Hill	Mar. 13, 1921 April 10, 1919 April 10, 1919 April 21, 1919	Mar. 1, 1925 April 10, 1923 April 10, 1923 April 10, 1923	\$300 300 300 300
Girls' School (Trustees)	Governor	Four	Mrs. Samuel M. Ralston (D) Frances Beadle (R) Mrs. L. G. Rothschild (R) Mrs. Emerson E. Ballard (D)	Indianapolis Lafayette Indianapolis Crawfordsville	April 1, 1921 April 1, 1920 April 1, 1922 Nov. 10, 1919	April 1, 1925 April 1, 1924 April 1, 1926 April 1, 1923	300 300 300 300
State Prison (Trustees)	Governor	Four	Jess C. Andrew (R) John B. Stoll (D) Michael E. Foley (D)	West Point South Bend Indianapolis	Jan. 1, 1920 Jan. 1, 1921 May 6, 1919	Jan. 1, 1924 Jan. 1, 1925 May 6, 1923	300 300 300
State Reformatory (Trustees)	Governor	Four	John L. Moorman (R) Oren S. Hack (D) Joseph E. Henning (R) Charles W. Mouch (D)	Knox Indianapolis Anderson New Castle	Feb. 2, 1922 Dec. 21, 1921 Mar. 22, 1920 Mar. 22, 1922	Feb. 2, 1926 Dec. 21, 1925 Mar. 22, 1924 Mar. 22, 1926	300 300 300 300
Women's Prison (Trustees)	Governor	Four	Will W. Cave (R) Mrs. Joseph B. Kealing (R) Charlotte J. Dunn (D)	French Lick Indianapolis Indianapolis	May 17, 1920 May 10, 1919 May 10, 1919	Mar. 22, 1923 April 10, 1923 April 10, 1923	300
State Farm (Trustees)	Governor	Four	Margaret Neely (R) Alice Wickie Poynter (D) Carl C. Heustis (R) Claude Gregg (D) John G. Klingler (D) John T. Boyd (R)	Martinsville Sullivan Greencastle Vincennes Brazil Vincennes	May 10, 1919 May 10, 1919 Aug. 8, 1921 Sept. 28, 1919 July 7, 1922 July 7, 1922	April 10, 1923 April 10, 1923 July 7, 1925 July 7, 1923 July 7, 1924 July 7, 1926	

VIII. LIST OF SUPERINTENDENTS OF STATE INSTITUTIONS—APPOINTED BY TRUSTEES

SUPERINTENDENT	Institution	Location	Date Appointed
Dr. George F. Edenharter	Central Hospital for Insane	Indianapolis	May 1, 1893
Dr. Samuel Dodds	Northern Hospital for Insane	Logansport	May 27, 1890
Dr. S. E. Smith	Eastern Hospital for Insane	Richmond	April 14, 1891
Dr. Charles E. Langhlin	Southern Hospital for Insane	Evansville	June 1, 1903
Dr. James W. Milligan	Southeastern Hospital for Insane	North Madison	May 1, 1915
Col. Wm. M. Loudon	Soldiers' Home	Lafayette	Oct. 1, 1922
Luther Short	Soldiers and Sailors' Orphans' Home	Fort Wayne	Nov. 1, 1917
Dr. Byron E. Biggs	School for Feeble-Minded Youth	Knightsdown	May 1, 1922
Dr. W. C. Van Nuys	Village for Epileptics	Newcastle	May 9, 1906
Dr. Amos Carter	State Sanatorium	Rockville	June 10, 1919
Robert E. Neff, Administrator	Robert W. Long Hospital	Indianapolis	July 1, 1919
O. M. Pittenger	State School for the Deaf	Indianapolis	Jan. 5, 1898
George S. Wilson	School for the Blind	Indianapolis	Jan. 1, 1911
E. J. Fogarty	State Prison	Michigan City	Jan. 1, 1918
Ralph Howard	Reformatory	Jeffersonville	Aug. 1, 1921
George S. Wilson	State Farm	Putnamville	Oct. 25, 1921
Margaret M. Elliott	Woman's Prison	Indianapolis	April 6, 1914
Dr. Kenosia Sessions	Girls' School	Indianapolis R. B. 1	Aug. 30, 1911
C. A. McGonagle	Boys' School	Plainfield	Aug. 2, 1918
Ernest Chenoweth	Farm Colony for Feeble-Minded	Batleville	Feb. 4, 1920

World War Memorial (Trustees)	1920	Governor	Three	Marcus Sontag (Pres.) William P. Gleason Howard O'Neal (Vice-Pres.) James P. Goodrich Anne Studebaker Carlisle Mrs. Chas. W. McCord Cornelius O'Brien Evans Woollen Robert R. Batton Thomas B. Coulter Samuel D. Royse Cecil Tague Louis H. Moore	Evansville Gary Crawfordsville Winchester South Bend New Albany Lawrenceburg Indianapolis Wabash Vincennes Terre Haute Brookville Ft. Wayne	Nov. 10, 1921 Nov. 10, 1921 Nov. 10, 1921 Nov. 10, 1921 Nov. 10, 1921 Nov. 10, 1922 Nov. 10, 1922 Nov. 10, 1922 Nov. 10, 1922 Nov. 10, 1922 Nov. 10, 1920 Nov. 10, 1920 Nov. 10, 1920 Nov. 10, 1920	Nov. 10, 1924 Nov. 10, 1924 Nov. 10, 1924 Nov. 10, 1924 Nov. 10, 1924 Nov. 10, 1925 Nov. 10, 1925 Nov. 10, 1925 Nov. 10, 1925 Nov. 10, 1925 Nov. 10, 1923 Nov. 10, 1923 Nov. 10, 1923 Nov. 10, 1923	No Salary.
Nancy Hanks Lincoln Burial Grounds		Governor Ex-officio	Four	Dr. J. C. Jolly Dennis Van Winkle Charles C. Dean	Lake Lincoln City Bluffton	Sept. 1, 1919 Sept. 1, 1922	Sept. 1, 1923 Sept. 1, 1926	

CONGRESSIONAL DELEGATION—SIXTY-SEVENTH CONGRESS

(March 4, 1923, to March 4, 1925)

UNITED STATES SENATORS

Terms, Six Years; Salary, \$7,500

Samuel M. Ralston, Indianapolis, elected November 7, 1922. (Dem.) Term expires 1929.
 James E. Watson, Rushville, elected November 2, 1920. (Rep.) Term expires 1927.

REPRESENTATIVES IN CONGRESS

Term, Two Years; Salary, \$7,500

Elected November 7, 1922. Republicans, 8; Democrats, 5.

District—

1. William E. Wilson, Evansville, Democrat.
2. Arthur H. Greenwood, Washington, Democrat.
3. Frank Gardner, Scottsburg, Democrat.
4. Harry C. Canfield, Batesville, Democrat.
5. Everett Sanders, Terre Haute, Republican.
6. Richard N. Elliott, Connersville, Republican.
7. Merrill Moores, Indianapolis, Republican.
8. Albert H. Vestal, Anderson, Republican.
9. Fred S. Purnell, Attica, Republican.
10. William R. Wood, Lafayette, Republican.
11. Samuel E. Cook, Huntington, Democrat.
12. Louis W. Fairfield, Angola, Republican.
13. Andrew J. Hickey, Laporte, Republican.

COUNTY OFFICERS

COUNTY	County Seat	Auditor	Expiration of Term*	Clerk	Expiration of Term*
Adams.....	Decatur.....	Martin Jaberg, (D).....	1925	John T. Kelly, (D).....	1924
Allen.....	Fort Wayne...	John H. Johnson, (D)....	1927	Elmer H. Sturm, (D)....	1927
Bartholomew	Columbus.....	John L. Bonham, (R)....	1927	Charles G. Hunter, (R)...	1924
Benton.....	Fowler.....	Sherman N. Geary, (R)...	1925	Ray Jones, (R).....	1927
Blackford....	Hartford City..	Ruth Werber.....	1927	Lewis Reeves, (R).....	1924
Boone.....	Lebanon.....	Ira Stephanson, (D)....	1924	Winson Jones, (D).....	1927
Brown.....	Nashville.....	Roston S. Moser, (D)....	1924	Richard Henderson, (D)..	1924
Carroll.....	Delphi.....	R. C. Davidson, (R)....	1924	C. Clay Pearson, (R)....	1925
Cass.....	Logansport....	Harry M. Gardner, (D)...	1927	Charles O. Brown, (D)...	Nov. 5, 1924
Clark.....	Jeffersonville..	Thomas L. Stoner, (D)...	1924	Charles K. Zollman, (D)...	Feb. 24, 1924
Clay.....	Brazil.....	Chas. J. McCullough, (D).	1927	Charles E. Harris, (D)...	Nov. 1924
Clinton.....	Frankfort.....	Bert D. Ogle, (D).....	1927	Elmer E. Sheridan, (R)...	1924
Crawford....	English.....	Arch Newton Bobbitt, (R)	1925	J. Ed. Ross, (D).....	1927
Daviess.....	Washington....	Daniel I. Myers, (R)....	1924	Jonas E. Pershing, (R)...	Mar. 12, 1927
Dearborn....	Lawrenceburg..	Arthur E. Jackson, (D)...	1927	Morris McManaman, (D).	Nov. 18, 1926
Decatur.....	Greensburg....	John C. Barbe, (R).....	1924	Robert E. McKay, (R)...	1924
Dekalb.....	Auburn.....	Frank Shook, (D).....	1927	Elias McClintock, (R)...	Nov. 31, 1924
Delaware....	Muncie.....	James P. Drago, (R)....	1927	Frank E. Barber, (R)....	1924
Dubois.....	Jasper.....	Frank J. Seng, (D).....	1924	Charles H. Bartley, (D)...	1927
Elkhart.....	Goshen.....	Charles A. Croop, (R)....	1924	Bessie Diener, (R).....	1927
Fayette.....	Connersville..	Ernest R. Jeffrey, (R)....	1924	Ambrose Elliott, (R)....	1925
Floyd.....	New Albany....	Willard G. Dieckmann, (D)	1927	Edward H. Meyer, (D)...	1927
Fountain....	Covington....	George McMurtrie, (D)...	1927	Harry E. Bodine, (D)....	1927
Franklin....	Brookville....	Frank X. Siebert, (D)...	1924	Frank J. Baker, (D)....	1924
Fulton.....	Rochester....	John L. McClung, (R)...	1924	Robert Miller, (D).....	1924
Gibson.....	Princeton.....	Alfred M. Johnson, (R)...	1925	Edgar Allmon, (D).....	1927
Grant.....	Marion.....	Austin D. Hunt, (R)....	1924	Samuel A. Connelly, (R)...	1927
Greene.....	Bloomfield....	Wm. L. Herrington, (D)..	1927	David F. Bland, (D)....	1926
Hamilton....	Noblesville....	C. C. White, (R).....	1926	J. D. Hill, (R).....	1924
Hancock....	Greenfield....	Edward A. Cooper, (D)...	1924	T. L. Rickey, (D).....	1927
Harrison....	Corydon.....	C. W. Smith, (R).....	1925	Wm. R. Stevens, (R)....	1925
Hendricks...	Danville.....	Floyd L. Whicker, (R)...	1927	Alvin Woodward, (R)...	Aug., 1924
Henry.....	Newcastle....	Elisha McFarland, (R)...	1927	Loring Fisher, (D).....	1927
Howard.....	Kokomo.....	Orville O. Butcher, (R)...	1925	Henry Quigley, (R)....	1924
Huntington..	Huntington....	Joseph E. Shideler, (R)...	1924	Ed. S. Leverton, (R)....	1924

*Terms expire January 1st of the year given unless otherwise indicated.

COUNTY OFFICERS—Continued

COUNTY	County Seat	Auditor	Expiration of Term*	Clerk	Expiration of Term*
Jackson.....	Brownstown..	Samuel Carr (D).....	1925	Frank I. Schornick, (R)...	Feb. 24, 1924
Jasper.....	Rensselaer...	S. C. Robinson, (R).....	1924	Jesse Nichols, (R).....	May 1, 1924
Jay.....	Portland.....	Henry Martin, (R).....	1924	Hanson F. Mills, (R)...	1927
Jefferson....	Madison.....	Harry E. Wells, (R).....	1927	Harry E. Nichols, (R)...	Nov. 13, 1924
Jennings....	Vernon.....	W. N. Gannon, (D).....	1927	E. J. Welker, (R).....	1927
Johnson.....	Franklin.....	John C. Gregg, (D).....	1924	John J. Beatty, (D).....	1924
Knox.....	Vincennes....	Geo. W. Donaldson, (D)...	1927	John R. Horrall, (R)....	Feb. 24, 1924
Kosciusko....	Warsaw.....	Tom J. Nye, (R).....	1924	Russell H. Butler, (R)...	1924
Lagrange.....	Lagrange.....	John S. Moore, (R).....	1927	C. L. Robinson, (R).....	1925
Lake.....	Crown Point..	George M. Poland, (R)...	1926	Herbert L. Wheaton, (R)	1924
Laporte.....	Laporte.....	Fred Hausheer, (D).....	1927	Frank Rogers, (R).....	May 6, 1925
Lawrence....	Bedford.....	Wm. M. Denniston, (R)...	1926	John R. Andrews, (R)...	1925
Madison.....	Anderson....	Henry P. Hardie, (R)....	1924	Chester Thomas, (R)...	1927
Marion.....	Indianapolis..	Leo K. Fesler, (R).....	1924	Albert L. Losche, (D)...	1927
Marshall....	Plymouth....	Z. M. Tanner, (R).....	1924	Rollo Bennett, (R).....	1924
Martin.....	Shoals.....	Bertie L. Newland, (R)...	1925	Sherman McPherson, (R)	1924
Miami.....	Peru.....	Charles Wolf, (D).....	1927	M. E. Andrews, (R).....	1924
Monroe.....	Bloomington..	Horace Blakely, (R).....	1925	Charles Hinkle, (D).....	1927
Montgomery..	Crawfordsville	Ward McClelland, (R)...	1924	Homer Schwindler, (R)...	1925
Morgan.....	Martinsville..	Henry Ratts, (D).....	1926	Noble G. Stanton, (R)...	1926
Newton.....	Kentland.....	John G. Davis, (R).....	1925	Charles E. Hosier, (R)...	1925
Noble.....	Albion.....	Orville Pressler, (R)...	1926	Isaac Deter, (R).....	1924
Ohio.....	Rising Sun...	John R. Elder, (D).....	1924	Charles H. French, (D)...	Nov. 1, 1924
Orange.....	Paoli.....	P. M. Stephenson, (R)...	1925	Thos. G. Ellis, (R).....	1927
Owen.....	Spencer.....	John R. Greene, (R).....	1924	Frank White, (D).....	1927
Parke.....	Rockville....	Lawrence Bramlett, (D)...	1927	Charles Asbury, (D).....	1927
Perry.....	Cannelton....	Cora Walters, (D).....	Dec. 1, 1926	Alois Birchler, (R).....	Mar. 10, 1924
Pike.....	Petersburg...	W. F. Risley, (R).....	1927	Ferd P. Veck, (R).....	1924
Porter.....	Valparaiso...	B. H. Kinne, (R).....	1927	R. C. Jones, (R).....	1924
Posey.....	Mt. Vernon...	Millard F. Robinson, (D)	1924	Edwin Page, (R).....	1925
Pulaski.....	Winamac.....	Jerome C. Howe, (R)....	1927	William F. Hoover, (D)...	1927
Putnam.....	Greencastle...	Ralph E. Knoll, (D).....	1924	Walter S. Campbell, (D)	1927
Randolph....	Winchester...	Rachel A. Tooker, (R)...	1927	N. R. Chenoweth, (R)...	1926
Ripley.....	Versailles....	W. D. Robinson, (R)....	1924	Chris H. Kassendick, (R)	1926
Rush.....	Rushville....	Phil Wilk, (R).....	1925	Loren Martin, (R).....	1925
St. Joseph...	South Bend...	Clarence Sedgwick, (R)...	1924	Wilbur Warner, (R).....	1927
Scott.....	Scottsburg...	Elwin L. Hughbanks, (D)	1926	J. B. Ray, (R).....	1924
Shelby.....	Shelbyville...	Walter W. Leslie, (D)...	1924	Gordon Thurston, (D)...	1927
Spencer.....	Rockport....	R. W. Richards, Jr., (R)...	1924	Fletcher Peek, (R).....	Mar. 1, 1925
Starke.....	Knox.....	Henry A. Smith, (R).....	1925	Henry W. Mathews, (R)...	1927
Steuben.....	Angola.....	Frank O. Watkins, (R)...	1925	Albert J. Collins, (R)...	1924
Sullivan....	Sullivan.....	Frank M. Daniels, (D)...	Mar. 28, 24	Charles R. Railsback, (D)	Mar. 28, 1924
Switzerland..	Vevay.....	W. A. Reeves, (D).....	1926	Eugene Broadwell, (D)...	1927
Tippecanoe..	Lafayette....	Cora M. Davis, (R).....	1927	Wm. M. Jackson, (R)...	1927
Tipton.....	Tipton.....	Charles Grishaw, (R)....	1927	T. D. Owen, (D).....	1927
Union.....	Liberty.....	Charles Ross, (R).....	1924	Leland L. Bond, (R).....	1924
Vanderburgh.	Evansville....	Sam B. Bell, (R).....	1927	Frank C. Grange, (R)...	1925
Vermillion...	Newport.....	Mortimer Lewis, (R)....	1925	Charles T. Evans, (R)...	Apr., 1924
Vigo.....	Terre Haute..	Charles M. Lee, (R).....	1924	Alonzo C. Duddleston, (R)	1926
Wabash.....	Wabash.....	Ben Banister, (R).....	1924	Warner Bartholomew, (R)	1924
Warren.....	Williamsport..	W. N. Stephens, (R).....	1927	Wm. Cowgill, (R).....	1924
Warrick.....	Boonville....	Henry G. Whittinghill, (D)	1927	Ernest Wilkinson, (R)...	Nov. 18, 1924
Washington..	Salem.....	Eli E. Batt, (D).....	1925	Harry M. Voyles, (D)...	1925
Wayne.....	Richmond....	W. Howard Brooks, (R)...	1924	Ollie Hunt, (R).....	1927
Wells.....	Bluffton.....	F. B. Fishbaugh, (D)...	1924	J. A. Stroup, (D).....	1927
White.....	Monticello...	F. E. Vinson, (R).....	1926	G. V. Love, (R).....	1924
Whitley.....	Columbia City	Edward D. Scott, (D)...	1927	Lloyd F. Gates, (R).....	1924

COUNTY OFFICERS

COUNTIES	Treasurer	Expiration of Term*	Recorder	Expiration of Term*	Sheriff	Expiration of Term*
Adams.....	Hugh D. Hite, (D).....	1924	Jos. L. McConnell, (D).....	1925	John Baker, (D).....	1925
Allen.....	Thomas Connolly, (D).....	1925	Mrs. Georgia Blume, (D).....	1927	Lewis Bobilya, (D).....	1925
Bartholomew.....	Smith Carmichael, (R).....	1924	Isaac Evans, (D).....	1924	Artie Arbuckle, (D).....	1925
Benton.....	Robert A. Swan, (R).....	1925	Sigal H. Freeman, (R).....	1925	Benjamin H. Crabbe, (R).....	1925
Blackford.....	Marion Linder, (R).....	1924	D. E. Dellinger, (R).....	1924	Chas. E. Bennett, (R).....	1924
Boone.....	Charles E. Bruce, (R).....	1924	Asbury Williams, (D).....	1927	Joe C. Cain, (R).....	1925
Brown.....	L. J. Snider, (D).....	1925	James J. Bowden, (D).....	1926	Samuel Parks, (D).....	1926
Carroll.....	F. S. Girard, (R).....	1925	Roy E. Gardner.....	1925	W. F. Mummert, (R).....	1925
Cass.....	John J. McCormick, (D).....	1925	Cleo A. Tousley, (D).....	1924	John H. Miller, (R).....	1924
Clark.....	O. B. Fifer, (D).....	1925	Walter Prentice, (D).....	Nov. 25, 1926	William Baird, (R).....	Nov. 25, 1924
Clay.....	West Sigler, (D).....	1926	Rolla Barnhart, (R).....	1925	Herman Weber, (D).....	1925
Clinton.....	Walter Beach, (D).....	1925	Harry M. Bogan, (R).....	1926	Daniel Power, (D).....	1925
Crawford.....	J. Benton Pierson, (D).....	1925	Nelson Belcher, (D).....	1927	Oren Johnson, (D).....	1925
Daviess.....	O. M. Vance, (R).....	1924	James E. Wright, (R).....	1924	Hugh G. Faith, (R).....	1924
Dearborn.....	Clarence Schinaman, (D).....	1925	Edward Kuhn, (D).....	1924	Frank Winter, (D).....	1925
Decatur.....	Charles B. Evans, (R).....	1924	Harry L. Black, (R).....	1927	Harry W. Braden, (R).....	1925
Detalb.....	Carrie F. Weaver, (R).....	1925	Samuel F. Morr, (D).....	1927	Wm. Morr, (D).....	1925
Delaware.....	Fred F. Reasoner, (R).....	1924	James L. Davis, (R).....	1927	Harry E. Hoffman, (R).....	1924
Dubois.....	John J. Mehne, (D).....	1925	William E. Eckenle, (D).....	1927	Frank Thiemann, (D).....	1925
Elkhart.....	Roy Stark, (R).....	1925	David F. Miller, (R).....	1924	Arthur W. Fonda, (R).....	1925
Fayette.....	James A. Coe, (R).....	1925	Frank H. Miller, (R).....	1924	George H. Haley, (R).....	1925
Floyd.....	Charles A. McCulloch, (R).....	1924	William Bigler, (D).....	1925	Jacob Yenowine, (D).....	1925
Fountain.....	H. I. Starnes, (R).....	1925	Albert Compton, (D).....	1927	Roy Souger, (R).....	1925
Franklin.....	Thomas H. Feltz, (D).....	1924	Geo. W. Porteous, (D).....	1925	William VanCamp, (R).....	1925
Fulton.....	Harley B. Kumler, (R).....	1924	Lewis V. Hunt, (R).....	1925	Harley Kochenderfer, (D).....	1925
Gibson.....	Earl M. Miller, (D).....	1925	Ralph McRoberts, (D).....	1927	John Hollen, (D).....	1925
Grant.....	George B. Nottingham, (R).....	1925	Harry Linn, (R).....	1926	Bert O. Renbarger, (D).....	1925
Greene.....	Wm. Radcliff, (D).....	1924	Burd A. Doyle, (R).....	1924	Irvin Ray, (D).....	1924
Hamilton.....	A. G. Finley, (R).....	1924	Hal Fox, (R).....	1927	Frank Sherrick, (R).....	1925
Hancock.....	James L. Allen, (D).....	1925	Hazel M. Thompson, (D).....	1927	Claude New, (D).....	1925
Harrison.....	Wm. Taylor, (R).....	1924	August Yochum, (D).....	1927	John Morris, (D).....	1925
Hendricks.....	Wm. H. Walls, (R).....	1924	Ewing Baird, (R).....	1927	Charles T. Clark, (R).....	1925
Henry.....	O. P. Hatfield, (R).....	1924	Mary E. Caldwell, (R).....	1925	Ernst Bradway, (R).....	1927
Howard.....	W. A. Weddell, (R).....	1923	O. W. Bailey, (R).....	1924	Joseph M. Lindley, (R).....	1925
Huntington.....	Guilford Morrow, (R).....	1925	Roy Howell, (D).....	1927	William E. Payne, (R).....	1925

Jackson.....	Charles C. Tinch, (D)	1924	Effie T. McCormick, (D)	1927	J. Otis Hays, (D)	1925
Jasper.....	G. H. McLain, (R)	1924	Warren E. Foote, (R)	1925	Thomas Blake, (R)	1925
Jay.....	O. Leroy Morrow, (R)	1925	John T. Heller, (R)	1924	James W. Badders, (R)	1925
Jefferson.....	S. G. Bovard, (R)	1925	Fred V. Vason, (R)	1925	Albert D. Danner, (R)	1924
Jennings.....	H. Y. Whitcomb, (R)	1925	J. K. McCaslin, (R)	1925	Albert Wilds, (R)	1925
Johnson.....	Jesse D. Ellis, (D)	1925	Zelia K. Webb, (D)	1927	William M. Perry, (D)	1925
Knox.....	George H. Shepard, (D)	1925	Elmer C. Cummins, (R)	1924	Ray Chambers, (D)	1925
Kosciusko.....	John C. Hill, (R)	1925	Matel Stewart, (R)	1927	Milo Maloy, (R)	1925
Lagrange.....	G. W. Hoff, (R)	1924	George A. Chase, (R)	1925	James Bowers, (R)	1925
Lake.....	Ralph B. Bradford, (R)	1924	William C. Rose, (R)	1926	William H. Olds, (R)	1926
Laporte.....	John Line, (R)	1924	Thomas Crumppacker, (R)	1925	Frank Fosdick, (R)	1925
Lawrence.....	Robert Tuman, (R)	1924	Elmer Norman, (R)	1924	Wm. F. Owen, (R)	1924
Nadson.....	Earl C. Morris, (R)	1924	Lewis D. Kinard, (R)	1927	Arthur B. Daniels, (R)	1925
Nation.....	Ralph A. Leenders, (R)	1924	John W. Caslor, (R)	1927	George D. Snider, (R)	1927
Marshall.....	Roland Cook, (R)	1925	Daniel Bollinger, (R)	1925	Earl Bennett, (D)	1925
Martin.....	William Dustin, (D)	1925	George C. Piper, (R)	1925	Joseph Cannon, (D)	1925
Maui.....	Charles F. Reynolds, (R)	1924	Samuel Coldren, (D)	1927	Charles Cunningham, (D)	1925
Monroe.....	James B. Kerr, (R)	1924	Felix Brown, (R)	1925	Water Peterson, (R)	1925
Montgomery.....	Charles Howard King, (R)	1925	Miriam Davis, (R)	1925	Ira T. Luddington, (R)	1924
Morgan.....	John S. Whitaker, (D)	1924	Chas. Scott, (R)	1924	Lafayette Scott, (R)	1924
Newton.....	Etta Gertrude Hess, (R)	1925	Edgar Stewart, (R)	1927	Lewis Larosse, (R)	1925
Noble.....	Morton P. Thomas, (R)	1924	Forrest E. Field, (R)	1926	Charles Black, (R)	1923
Ohio.....	Bredley R. Bedgood, (R)	1924	William P. Oak, (D)	1927	Ervin Ricketts, (D)	1924
Orange.....	Wm. B. Lashbrooks, (R)	1925	Arthur L. Dillard, (R)	1925	Paul S. Lindley, (R)	1925
Owen.....	J. A. Wells, (R)	1924	Walter Mitten, (R)	1927	W. C. McCarty, (D)	1925
Parke.....	J. W. Chapman, (R)	1925	Emma Rutter, (R)	1927	Jacob Smith, (D)	1925
Perry.....	Wm. C. Vorel, (D)	1925	J. Elmer Carr, (R)	Mar. 10, 1924	Ed. Hemphill, (D)	1925
Pike.....	H. H. Harneyer, (R)	1924	A. H. Norton, (R)	1926	Reece Burns, (R)	1925
Porter.....	J. G. Graessle, (R)	1924	John W. McNay, (R)	1924	William Pennington, (R)	1925
Possey.....	George A. Ashworth, (D)	1924	David Miller, (D)	1924	Enoch W. McFadden, (D)	1924
Pulaski.....	Albert B. Diggs, (R)	1924	David V. Low, (R)	1926	Joseph C. Wagerman, (R)	1925
Putnam.....	Otto G. Webb, (D)	1924	Dove Stewart Wright, (D)	1927	Leslie Sears, (R)	1925
Randolph.....	Mary A. Smith, (R)	1927	Raid Haworth, (R)	1925	Lunda M. Fisher, (R)	1925
Ripley.....	Henry Bulman, Jr., (D)	1925	Daily E. McCoy, (R)	1926	Ira J. Spillman, (D)	1925
Rush.....	Frank Lawrence, (R)	1925	Eleanor B. Sleeth, (R)	1927	Sidney L. Hunt, (R)	1926
St. Joseph.....	W. A. Slick, (R)	1925	John A. Swanson, (R)	1924	Michael C. Hanley, (D)	1925
Scott.....	Clara Wilson Hinds, (D)	1924	Stacy Coleman, (D)	1924	Dillard Robbins, (D)	1924
Shelby.....	George R. Carlisle, (D)	1924	Oscar Howard, (D)	1924	Jesse Smith, (D)	1926
Spencer.....	F. M. Harter, (R)	1925	Harvey Chinn, (R)	1924	A. C. Hargis, (R)	1924
Starke.....	Albert W. Carlson, (R)	1925	Charles H. Reasoner, (R)	1924	Otis F. German, (R)	1925

COUNTY OFFICERS—Continued

COUNTIES	Treasurer	Expiration of Term*	Recorder	Expiration of Term*	Sheriff	Expiration of Term*
Stephen	Earl Tuttle, (R).....	1924	Harvey E. Shoup, (R).....	1924	Frank L. Adams, (R).....	1925
Sullivan	J. Harve Thompson.....	1924	Coleman Nash, (D).....	1927	E. J. Douthitt, (D).....	1925
Switzerland	James J. Peardy, (D).....	1925	Howard Humphrey, (R).....	1924	John Butters, (D).....	1924
Tippecanoe	Charles Casper, (R).....	1924	Charles Rawles, (R).....	1927	Joseph B. Jackson, (R).....	1924
Tipton	Earl Hughes, (R).....	1924	Hazel Swift, (R).....	1925	Joseph Innis, (R).....	1925
Union	W. E. Crawford, (R).....	1924	Benton Sizelove, (R).....	1924	Milton L. Poulder, (R).....	1925
Vanderburgh	Walter A. Smith, (R).....	1924	Henry Barker, (R).....	1927	Fred Henke, (R).....	1925
Vermillion	Ira T. Peet, (D).....	1925	Herbert C. Sawyer, (D).....	1927	Harry Newland, (D).....	1925
Vigo	George A. Schaaf, (D).....	1924	John T. Grace, (D).....	1924	Fred Armstrong, (D).....	1925
Wabash	Irvin Delauter, (R).....	1925	Jesse Parks, (R).....	1925	Hoyle Summerland, (R).....	1924
Warren	D. H. Moffitt, (R).....	1926	D. A. Smith, (R).....	1925	Avis Duercher, (R).....	1925
Warrick	William Taylor, (D).....	1925	William B. Bechel, (R).....	1925	Robert D. Williams, (R).....	1924
Washington	W. L. Taylor, (D).....	1924	George F. Wilson, (D).....	1927	Charles W. Moore, (D).....	1925
Wayne	Thomas I. Ahl, (R).....	1925	Harry T. Fisher, (R).....	1925	James Daniel Chapman, (D).....	1925
Wells	John Eversole, (D).....	1925	Oscar McGee, (D).....	1927	Noah Fraulinger, (D).....	1925
White	E. B. Stealy, (R).....	1924	George W. Gilbert, (R).....	1924	Clark Myers, (D).....	1925
Whitley	Mark W. Rhoads, (R).....	1925	Eli S. Bollinger, (R).....	1924	Sam W. Steele, (R).....	1925

COUNTY OFFICERS—Continued

COUNTIES	Assessor	Expiration of Term*	Highway Superintendent	Expiration of Term*	Surveyor	Expiration of Term*
Adams.....	William Zimmerman, (D)	1927	Chas. E. Magley, (D)	1926	Dick Booh, (D)	1925
Allen.....	Clayton Lindemuth, (D)	1927	W. G. Tonkel, (D)	1926	Orin M. Darling, (D)	1925
Bartholomew.....	John D. Emmons, (D)	1927	William Hallway, (R)	1926	George Rader, (D)	1925
Benton.....	George James, (R)	1927	Kimbar H. Dimmich, (R)	1926	Don Heaton, (D)	1925
Blackford.....	C. O. Fleming, (D)	1926	Frank M. Jones, (R)	1924	Wm. Brown, (D)	1924
Boone.....	Peter F. Wilson, (D)	1927	Nelson Isenhower, (R)	1925	Ora J. Brookshire, (D)	1925
Brown.....	Willie Wilkerson, (D)	1927	Ralph Hedrick, (D)	1926	John Brown, (D)	1928
Carroll.....	Will E. Holmes, (R)	1927	J. E. Ferrier, (R)	1925	J. Reid McCain, (R)	1925
Cass.....	George W. Richardson, (D)	1927	John L. Lidgard, (R)	1926	Raymond A. Hyman, (D)	1925
Clark.....	E. T. Sage, (D)	1927	George Dix, (D)	1926	Keplar W. Barnes, (D)	1925
Clay.....	Herman Emmert, (R)	1926	James L. Tucker, (R)	1926	Ralph H. Katiman, (D)	1925
Clinton.....	William A. Clark, (D)	1927	S. N. Johnson, (R)	1927	Lavon Fisher, (D)	1925
Crawford.....	Louis N. Jobe, (D)	1927	Frank Thornbury, (R)	1926	Samuel Tucker, (D)	1927
Davies.....	Oscar O. McGaughey, (R)	1927	Robert L. Crane, (R)	1926	William L. McCormick, (R)	1926
Dearborn.....	Edward Hayes, (D)	1927	Edward Redenbach, (R)	1926	A. W. Karstetter, (D)	1925
Decatur.....	A. Bayless, (R)	1927	John A. Ryon, (R)	1925	Stanton Guthrie, (R)	1927
DeKalb.....	Francis M. Wiltrout, (D)	1927	Albertus Campbell, (R)	1926	Calvin Kam, (D)	1925
Delaware.....	Elmer Ferguson, (R)	1927	M. L. Yoakem, (R)	1925	Lester Janney, (R)	1925
Dubuois.....	Charles Lampert, (D)	1927	George Messmer, (D)	1926	Herbert J. Lemme, (D)	1925
Elkhart.....	Wilson H. Rood, (R)	1927	Charles Bryner, (R)	1925	Charles L. Kinney, (R)	1925
Fayette.....	Scott Thomas, (R)	1927	Clyde Piper, (R)	1926	Wm. J. Little, (R)	1925
Floyd.....	Philip Ott, (D)	1927	James H. Laird, (R)	1926	Michael M. Bolland, (D)	1925
Fountain.....	Milton Pelet, (D)	1927	Jos. T. Dudley, (D)	1926	J. D. Fine Boggs, (D)	1925
Franklin.....	George W. Goshen, (D)	1927	William Zook, (R)	1926	John L. Stewart, (D)	1925
Fulton.....	Lewis G. Holz, (D)	1927	W. O. Daugherty, (R)	1926	Clen R. Miller, (R)	1924
Gibson.....	Wm. Steelman, (D)	1927	Harvey M. McCaskey, (R)	1926	Harry C. Morrison, (D)	1925
Grant.....	Nelson L. Stockey, (D)	1927	David Squires, (R)	1924	George Steffus, (D)	1925
Greene.....	Lilburn Jackson, (D)	1927	Silas Devaney, (R)	1926	Henry Schloot, (D)	1924
Hamilton.....	A. B. Wheeler, (R)	1927	John W. Wilson	1926	J. S. Shannon, (R)	1925
Hancock.....	Marshall Bussell, (D)	1927	W. G. Rhodes, (R)	1925	Myron Morehead, (D)	1925
Harrison.....	Ed. B. Love, (D)	1925	E. M. Murphy, (R)	1926	Wm. E. Best, (D)	1925
Hendricks.....	Roscoe Edwards, (R)	1927	C. J. Luellen, (R)	1927	George R. Harvey, (R)	1925
Henry.....	M. H. Kern, (R)	1928	C. T. McCoy, (R)	1923	W. S. Freet, (R)	1927
Howard.....	W. O. Quakenbosh, (R)	1925	William Eberhart, (R)	1924	Wm' A. Ehrman, (R)	1925
Huntington.....	Amos Payne, (D)	1927			Paul V. Smith, (D)	1925

COUNTY OFFICERS—Continued.

COUNTIES	Assessor	Expiration of Term*	Highway Superintendent	Expiration of Term*	Surveyor	Expiration of Term*
Jackson.....	Frank Daily, (D).....	1927	John W. Beickman, (D).....	1926	Elias B. Douglas, (D).....	1925
Jasper.....	William H. Murray, (R).....	1927	W. S. Parks, (R).....	1926	Edgar D. Nesbitt, (R).....	1925
Jay.....	John G. Arbaugh, (R).....	1927	Harry Iliff, (R).....	1927	Homer Teeters, (R).....	1925
Jefferson.....	Charles A. McClelland, (R).....	1927	Gilbert Wilkerson, (R).....	1926	James H. Smith, (R).....	1925
Jennings.....	John Shinolt, (R).....	1927	C. H. Baker, (R).....	1926	C. W. Miles, (R).....	1925
Johnson.....	Frank Eiter, (D).....	1927	C. C. Hughes, (D).....	1925	John B. Duckworth, (D).....	1925
Knox.....	Jacob W. Goldman, (D).....	1927	George G. Coale, (R).....	1926	W. D. Hanlon, (D).....	1925
Kosciusko.....	S. V. Robinson, (R).....	1927	Stanley S. Boggs, (R) Acting	1925	Stanley S. Boggs, (R).....	1925
Lagrange.....	Plus A. Long, (R).....	1927	Harley K. Spears, (R).....	1925	Harley K. Spears, (R).....	1925
Lake.....	Wm. E. Black, (R).....	1927	Clarence M. Eder, (R).....	Mar. 1, 1923	C. Keller Wallace, (R).....	1925
Laporte.....	A. L. Peterson, (R).....	1927	Mike Moyer, (R).....	1926	Paul Summy, (R).....	1925
Lawrence.....	A. K. Sears, (R).....	1926	Thos. J. Daniels, (R).....	1925	Henry McIntire, (R).....	1926
Madison.....	John M. Kaufman, (D).....	1927	Albert P. Jones, (R).....	1926	Archie H. Doyle, (D).....	1925
Marion.....	J. C. Douglass, (R).....	1927	Warren L. Rumford, (R).....	1926	J. J. Griffith, (R).....	1927
Marshall.....	Alva L. Porter, (R).....	1927	J. F. Ray, (R).....	1926	John Hildebrand, (R).....	1925
Martin.....	Joseph P. Arvin, (D).....	1927	A. T. Lyon, (R).....	1926	James L. Arvin, (D).....	1925
Miami.....	Philip D. Landgrave, (D).....	1927	Charles S. Loucks, (R).....	1926	Berne Welch, (D).....	1925
Monroe.....	B. V. Sudbury, (D).....	1927	John S. Brown, (R).....	1924	Howard Chestnut, (D).....	1925
Montgomery.....	Amos G. Breaks, (R).....	1927	Robert Bonwell, (R).....	1926	William Harding, (R).....	1925
Morgan.....	Amos Gilespy, (D).....	1926	I. H. Balay, (R).....	1925	E. R. Canatsey, (R).....	1926
Newton.....	Frank Cox, (R).....	1927	Young D. Deardurff, (R).....	Mar. 1, 1926	Josiah R. Deardurff, (R).....	1925
Noble.....	George Bauser, (D).....	1926	Will T. Knox.....	1924	Will T. Knox, (R).....	1924
Ohio.....	Andrew H. Green, (D).....	1927	Herman Hoefertkamp, (D).....	19 5	William L. Hartford, (D).....	1924
Orange.....	Ralph Allegre, (R).....	1927	George M. Albertson, (R).....	1926	Rufus E. Pinnick, (D).....	1925
Owen.....	Calvin Carpenter, (D).....	1927	H. B. Foley, (R).....	1924	Louis Drescher, (D).....	1927
Parke.....	George Phipps, (D).....	1925	Daulton Martin, (R).....	1926	Lee Mitchell, (D).....	1925
Perry.....	Louis J. Goffinet, (D).....	1927	Wm. F. Mitchell, (R).....	1926	Earl Morton, (D).....	1927
Pike.....	George Tucker, (R).....	1927	B. S. Craig, (R).....	1925	Floyd R. McNiece, (R).....	1925
Porter.....	Fred W. Marquart, (R).....	1927	Joseph F. Crowe, (R).....	1926	Alvin E. Gempier, (D).....	1925
Posey.....	Warren Whipple, (D).....	1927	S. Willis Smith, (D).....	1926	Harmon Uitterback, (D).....	1925
Pulaski.....	James E. Blew, (D).....	1927	William A. Goble, (R).....	1926	William P. Koehler, (D).....	1925
Putnam.....	Paul F. Priest, (D).....	1927	Elmer Blue, (D).....	1926	A. B. Purdy, (D).....	1925
Randolph.....	Frank F. Fielder, (R).....	1927	John Boklin, (R).....	1926	James E. Wright, (D).....	1925
Ripley.....	Edna Gordon, (R).....	1927	Joseph Schroeder, (R).....	1926	Frank L. Cact, (R).....	1925
Rush.....	Earl F. Priest, (R).....	1927	Hal W. Green, (R).....	1926		

St. Joseph	A. Finch, (R).....	1927	A. C. Mangus, (R).....	1926	P. R. Gillin, (R).....	1925
Scott	J. Willis Craig, (D).....	1926	Jefferson Hancock, (R).....	1924	Early Kieth, (D).....	1924
Snelby	S. D. Runyan, (D).....	1927	J. W. Gorton, (D).....	1924	Geo. E. Oltman, (D).....	1925
Spencer	George J. Benoe, (R).....	1927	Hebner Seamanhorn, (R).....	1927	George Stevenson, (D).....	1925
Starks	Henry E. White, (D).....	1927	C. Ernest Laramore, (R).....	1926	Charles A. Good, (D).....	1925
Steuben	Ray R. Shank, (R).....	1926	Fred Hubbell, (R).....	1924	Fred Hubbell, (R).....	1924
Sullivan	William Williamson, (D).....	1927	C. H. Ridgeway, (D).....	1924	W. L. Sisson, (D).....	1925
Switzerland	Wilmer Shadday, (D).....	1926	Hayes Ricketts, (R).....	1925	W. H. Morrison, (D).....	1926
Tippecanoe	George F. Fraser, (R).....	1927	Willard E. Gove, (R).....	1924	Elbert C. Minton, (R).....	1925
Tipton	Harry O. Henderson, (D).....	1927	William Jarrett, (R).....	1924	Jessie O. Bowlin, (D).....	1925
Union	Chas. Little, (R).....	1927	H. C. Sanford, (R).....	1926	Stanley Moore, (R).....	1925
Vanderburgh	Albert E. Stowe, (R).....	1927	Matt W. Foster, (R).....	1926	Rudolph Meisinger, (R).....	1925
Vermillion	Richard Ritter, (D).....	1927	E. H. Spellman, (R).....	1925	James C. Ingram, (D).....	1925
Vigo	Geo. Helman, (D).....	1927	Chas. Long, (R).....	1926	Robert E. Givens, (D).....	1925
Wabash	Joe Cowgill, (R).....	1927	Shirley Mylin, (R).....	1927	Herman Hartmen, (R).....	1925
Warren	James Meisker, (R).....	1927	M. M. McCoskey, (R).....	1926	J. R. Gregory, (R).....	1927
Warrick	James Byers, (D).....	1927	Archie Byers, (R).....	1926	Herman Larsen, (D).....	1925
Washington	Harley E. Harmon, (D).....	1927	U. P. Anderson, (D).....	1926	John C. Prow, (D).....	1925
Wayne	William Brown, (R).....	1927	W. O. Jones, (R).....	1926	Howard H. Horton, (R).....	1925
Wells	Charles Marshall, (D).....	1927	John Prough, (D).....	June 31, 1925	Claude Devenport, (D).....	1925
White	Henry Friend, (D).....	1927	F. M. Minch, (R).....	1926	Paul Ward, (D).....	1925
Whitley	Harry Sievers, (D).....	1927	Wm. Wilcken, (R).....	1925	Claude M. Anspaugh, (R).....	1925

COUNTY OFFICERS—Continued.

COUNTIES	Coroner	Expiration of Term*	Agricultural Agent	Expiration of Term	School Superintendent	Expiration of Term†
Adams.....	L. L. Mattax, (D).....	1925	L. M. Busche.....		E. S. Christen, (D).....	
Allen.....	D. R. Penninghoff, (R).....	1924	W. H. Showalter.....		D. O. McComb, (D).....	
Bartholomew.....	Claud Jackson, (D).....	1925	S. R. Miles.....		Samuel Sharp, (D).....	
Benton.....	Arthur Le Sage, (R).....	1924	Parke T. Brown.....		M. F. O'Rear, (D).....	
Blackford.....	Charles A. Sellers, (R).....	1924	O. M. Mansfield.....		W. E. Pursley, (D).....	
Boona.....	Dr. E. A. Rainey, (D).....	1927			John S. Hussey, (R).....	
Brown.....	Joshua Bond, (D).....	1927	R. E. Grubbs.....		Grover G. Brown, (D).....	
Carroll.....	C. E. Baker, (R).....	1925	William Ziechel.....		A. G. Fox, (D).....	
Cass.....	James Stanton, (R).....	1925	O. S. Williams.....		Ira A. Kessler, (R).....	
Clark.....	Froman M. Coots, (D).....	1925			S. L. Scott, (D).....	
Clay.....	Lafayette Young, (D).....	1925	H. E. Abbott.....		J. Riley McCullough, (D).....	
Clinton.....	Marion Carter, (R).....	1925	V. J. Mann.....		M. D. Boulden, (R).....	
Crawford.....	John Bolden, (D).....	1927	Horace Copeland.....		Hazen H. Pleasant, (R).....	
Daviss.....	U. H. Holder, (R).....	1924	W. J. Berne.....		James E. Gilley, (R).....	
Dearborn.....	George F. Smith, (D).....	1925	C. C. Madison.....		George C. Cole, (D).....	
Decatur.....	H. S. McKee, (R).....	1927			J. R. Crawley, (R).....	
Dekalb.....	H. A. Hinklin, (D).....	1927	B. H. Repp.....		Clarence Green, (R).....	
Delaware.....	J. Frank Downing, (R).....	1925	A. L. Hodgson.....		Lee O. Baird, (R).....	
Dubois.....	W. D. Bretz, (D).....	1925	James Morrow.....		Robert E. Eckert, (D).....	
Elkhart.....	Eugene Holderman, (R).....	1925			Charles F. Miller, (R).....	
Fayette.....	Benj. W. Cooper, (R).....	1927			Claude Trusler, (R).....	
Floyd.....	Frank T. Tyler, (D).....	1925	Alfred Hesler.....		Glenn V. Scott, (D).....	
Fountain.....	J. W. Aldridge, (R).....	1925	V. R. Cluse.....		Guy A. Waldrip, (R).....	
Franklin.....	Herbert Smith, (D).....	1925	Roy S. Lundin.....		Michael Bossert, (D).....	
Fulton.....	Dow Hambaugh, (D).....	1925			Thomas F. Berry, (R).....	
Gibson.....	M. L. Arthur, (R).....	1927	Virgil Mood.....		Ben H. Watt, (R).....	
Grant.....	Philip Lucas, (R).....	1925			Albert R. Hall, (R).....	
Greene.....	S. L. Pop ²	1925			Walter T. Brown, (R).....	
Hamilton.....	Charles Coaltrin, (R).....	1925	John R. Gilkey.....		Walter Harger, (R).....	
Hancock.....	Chas. M. Gibbs, (D).....	1925	M. E. Cromer.....		R. R. Roudebush, (R).....	

† Terms expire August 16, 1925.

Harrison.....	1927	Wm. S. Nye, (D).....	N. I. Clunie.....	J. T. McClaren, (R).....
Hendricks.....	1925	Charles F. McClelland, (R).....	Ralph Test.....	George H. Reitzel, (R).....
Henry.....	1927	V. T. Davis, (R).....	Calvin Perdue.....	H. B. Roberts, (R).....
Howard.....	1925	Bruce D. Lung, (R).....	J. J. Laey.....	Albert F. Hutson, (R).....
Huntington.....	1925	John W. Good, (D).....	Willis P. Stall.....	Clifford Funderburg, (R).....
Jackson.....	1925	Geo. T. Manuel, (D).....	H. S. Ebbinghouse.....	Harry B. Henderson, (D).....
Jasper.....	1925	W. J. Wright, (R).....	B. H. Doddridge.....	Morgan L. Sterrett, (R).....
Jay.....	1925	Ara C. Badders, (D).....	F. W. Potts.....	Harry L. Nixon, (R).....
Jefferson.....	1925	Dr. Carl Henning, (R).....	Milton E. Scandrett.....	Chas. S. Dhiler.....
Jennings.....	1925	Geo. W. Jordan, (R).....	W. J. Piggott, Jr.....	Shepherd Whitcomb, (D).....
Johnson.....	1925	Dr. D. L. Phipps, (D).....	Thomas A. Parker.....	Warren J. Yount, (D).....
Knox.....	1925	E. H. Pea, (D).....	L. H. Barnes.....	Wm. W. Carter, (R).....
Kousinsko.....	1925	James S. Smith, (R).....	Chas. A. Buechner.....	Jesse Bruner, (R).....
Lagrange.....	1925	John P. Caton, (R).....	C. U. Watson.....	Hilda Hughes, (R).....
Lake.....	1925	Edward E. Evans, (R).....	Jesse Stutsman.....	Alvin E. Condon, (R).....
Laporte.....	1925	John Sweitzer, (R).....	Royal L. W. McClain.....	C. L. Rhoads, (R).....
Lawrence.....	1924	O. D. Emerson, (R).....	Jesse A. Wood.....	W. C. Roberts, (R).....
Madison.....	1925	Jesse A. Helbert, (D).....	Walter Rogers.....	Jefferson C. House, (R).....
Marion.....	1927	Dr. Paul S. Robinson, (R).....	T. C. Cravens.....	Lee E. Swails, (D).....
Marshall.....	1925	Colonel Mackey, (R).....	Samuel S. Davis.....	L. E. Stenbach, (R).....
Martin.....	1925	John F. Gootee, (D).....	J. B. Cunningham.....	Roy Van Edgington, (R).....
Miami.....	1925	Dr. Churchill Worrell, (D).....	C. C. Madison.....	E. L. Powell, (R).....
Monroe.....	1925	William C. Reed, (D).....	Earl E. Stinson.....	W. H. Jones, (R).....
Montgomery.....	1925	J. B. Griffith, (R).....	E. E. Gliok.....	Merle Coons, (R).....
Morgan.....	1925	C. H. White, (R).....	J. E. Meeks.....	I. N. Kinworthy, (R).....
Newton.....	1925	John T. Bess, (R).....	W. C. Smith.....	W. O. Schanlaub, (R).....
Noble.....	1924	Leland Frurip, (R).....	William E. Shrode.....	Guy Hall, (R).....
Ohio.....	1927	William Dilts, (D).....	Irvin J. Mathews.....	John L. Wessier, (D).....
Orange.....	1925	John I. Maris, (R).....	Charles A. Jackson.....	Howard Brenton, (R).....
Owen.....	1925	B. T. Fisher, (D).....	Rosecoe Fields.....	Fred H. Cole, (R).....
Parke.....	1925	J. W. McHatten, (D).....	Lester C. Yeager.....	G. Edward Behrens, (D).....
Perry.....	1925	John H. Foster, (D).....	Donald D. Ball.....	John Jollief, (R).....
Pike.....	1927	Owen Harris, (D).....	George W. Washburn, (D).....	Preston Harding, (R).....
Porter.....	1925	Dr. H. O. Seipel, (R).....	Jacob E. McCurry, (D).....	Howard Brenton, (R).....
Possey.....	1925	Samuel Davis, (D).....	Grant C. Markle, (R).....	Fred H. Cole, (R).....
Pulaski.....	1925	George W. Washburn, (D).....	George C. Taylor, (R).....	G. Edward Behrens, (D).....
Putnam.....	1927	Jacob E. McCurry, (D).....	John M. Lee, (R).....	Frederick G. Neel, (R).....
Randolph.....	1925	Grant C. Markle, (R).....		Frank Wallace, (D).....
Ripley.....	1925	George C. Taylor, (R).....		O. H. Greist, (R).....
Rush.....	1925	John M. Lee, (R).....		Hale C. Pickett, (R).....
				Birney D. Farthing, (R).....

COUNTY OFFICERS—Continued.

COUNTIES	Coroner	Expiration of Term*	Agricultural Agent	Expiration of Term*	School Superintendent	Expiration of Term*
St. Joseph.....	C. B. Crumpacker, (R)	1925	E. C. Bird.....		Jno. Rittinger, (R)	
Scott.....	Mace Coker, (D)	1924	E. L. Hawke.....		C. H. Gamble, (R)	
Shelby.....	Geo. I. Inlow, (D)	1925	Russell G. East.....		Wm. Everson, (D)	
Spencer.....	E. E. Allenbaugh, (R)	1926	H. D. Jackson.....		U. S. Lindsey, (R)	
Starke.....	Thomas C. Hite, (D)	1925			J. Allen Barr, (R)	
Steuben.....	Ford N. Swift, (R)	1925	Samuel A. Colliver.....		Glen O. Simpson, (R)	
Sullivan.....	I. N. Botts, (D)	1925	H. S. Benson.....		Richard Parks, (D)	
Switzerland.....	Dr. Ben S. Potter, (D)	1926	P. G. Ewald.....		Ernest Danglede, (D)	
Typee canoe.....	Harry J. Laws, (R)	1925	Walter Krueck.....		Claus V. Peterson, (R)	
Tipton.....	Earl Shields, (D)	1927			Geo. H. Spencer.....	
Union.....	E. R. Beard, (R)	1925	Foster Campbell.....		C. C. Abernathy, (R)	
Vanderburgh.....	W. G. French, (D)	1925	P. O. Wilson.....		H. K. Hemmer, (D)	
Vermillion.....	Ott Casey, (D)	1925	M. K. Derrick.....		John Fern Lewman, (D)	
Vigo.....	John O. Gangstus, (D)	1925	M. B. Nugent.....		LeRoy Fair, (R)	
Wabash.....	Carl Stinemann, (R)	1925	Harry L. Royce.....		Howard Williams, (R)	
Warren.....	C. G. Briggs, (R)	1927	H. H. Madaus.....		Harrison Frazier, (R)	
Warrick.....	P. G. M. Broshears, (D)	1925	Harold R. Holcomb.....		Levi B. Barker, (R)	
Washington.....	James F. Kelley, (D)	1925	C. R. Furnas.....		L. B. Mather, (D)	
Wayne.....	Dr. S. Edgar Bond, (R)	1925	James I. Dolan.....		Chas. O. Williams, (R)	
Wells.....	William McBride, (D)	1927	C. E. Salisbury.....		J. H. Merriman, (D)	
White.....	H. L. Miller, (D)	1925	Roscoe Fraser.....		Kirby Payne, (R)	
Whitley.....	Alice Williams, (D)	1927	Raymond M. Koop.....		Rollo M. Mosier, (R)	

*Terms expire August 16, 1925.

COUNTIES	County Commissioners	Expiration of Term	COUNTIES	County Commissioners	Expiration of Term
Adams.....	Ernst Conrad, (D).....	1924	Fulton.....	David C. Swihart, (R).....	1924
	B. F. Breiner, (D).....	1925		Henry L. Meredith, (R).....	1925
	George Shoemaker, (D).....	1926		Wellington Severns, (D).....	1926
Allen.....	A. J. Baker, (R).....	1925	Gibson.....	J. H. Johnson (R).....	1924
	Gust F. Hilgeman, (R).....	1925		Henry Jones, (R).....	1925
	Thos. J. Sheehan, (D).....	1926		Clarence Mauck, (D).....	1926
Bartholomew.....	Frank McHenry, (R).....	1924	Grant.....	John D. Williams, (R).....	1924
	Edw. Marr, (R).....	1925		Marcus M. Kilgore, (D).....	1926
	Edward Miller, (R).....	1926		John Heavilin, (R).....	1925
Benton.....	Cortez A. Dimmich, (R).....	1925	Greene.....	James Cox, (R).....	1924
	Robert J. Finley, (R).....	1924		Asberry Moore, (R).....	1924
	Albert E. Kyle, (R).....	1926		Charley Boyd, (D).....	1926
Blackford.....	Anderson Osenbaugh, (D).....	1925	Hamilton.....	Larkin Stultz, (R).....	1924
	A. H. Bonham, (R).....	1924		L. J. Symons, (R).....	1925
	Chas. Barton, (R).....	1925		George Wolfgang, (R).....	1926
Boone.....	Alfred B. Jones, (R).....	1924	Hancock.....	P. F. Parish, (D).....	1924
	George L. Rader, (R).....	1925		H. F. Wilson, (D).....	1925
	Benjamin F. Simmons, (D).....	1926		Harry Fletcher, (D).....	1926
Brown.....	Charles Taylor, (D).....	1925	Harrison.....	John L. Windell, (R).....	1924
	George W. Polley, (D).....	1924		Frank Pearson, (R).....	1925
	John B. West, (D).....	1926		Guss Sieg, (D).....	1925
Carroll.....	John H. Mourer, (R).....	1925	Hendricks.....	John E. Vestal, (R).....	1924
	Jacob M. Kingery, (R).....	1926		Merritt A. Gregory, (R).....	1925
	Burt A. McCain, (R).....	1924		Frank A. Haynes, (R).....	1926
Cass.....	Horace P. Gotshall, (R).....	1924	Henry.....	Paul Jamison, (R).....	1927
	Charles B. Wilson, (R).....	1925		John R. Downs, (R).....	1925
	George D. Custer, (D).....	1926		Carl Stewart, (R).....	1924
Clark.....	Samuel Lentz, (D).....	1924	Howard.....	Ezra Jackson (R).....	1926
	John M. Bower, (D).....	1925		H. O. Lybrook, (R).....	1925
	Frank Bottorff, (D).....	1926		H. O. Lord, (R).....	1924
Clay.....	Otis E. Nance, (R).....	1924	Huntington.....	R. W. Redding, (R).....	1924
	J. R. Benham, (R).....	1925		O. E. Johnson, (R).....	1925
	Nathan Swalley, (R).....	1926		Charles Smelser, (D).....	1926
Clinton.....	Perry Armantrout, (D).....	1926	Jackson.....	James R. Crabb, (D).....	1926
	Wayne C. Peters, (R).....	1924		James M. Mann, (D).....	1925
	Lincoln Cox, (R).....	1925		James W. Luckey, (D).....	1926
Crawford.....	J. W. Hiser, (R).....	1925	Jasper.....	H. W. Marble, (R).....	1924
	Chas. E. Lane, (R).....	1924		Bert R. Amsler, (R).....	1926
	John W. Felker, (D).....	1926		Jacob R. Hensler, (R).....	1925
Daviess.....	Louis W. Keith, (R).....	1924	Jay.....	Elmer Warner, (R).....	1926
	Royal G. Allison, (R).....	1925		O. S. Buckingham, (R).....	1924
	Clifford Farris, (R).....	1927		E. S. Jones, (R).....	1925
Dearborn.....	William Ester, (R).....	1924	Jefferson.....	Hiram Foster, (R).....	1924
	Wilard Stalder, (R).....	1925		Matthew R. Ralston, (R).....	1925
	Edward Rohlfing, (D).....	1926		A. Hervey Hilands, (R).....	1926
Decatur.....	Chas. P. Johnson, (R).....	1924	Jennings.....	M. F. Eastman, (R).....	1924
	Geo. C. Walker, (R).....	1925		B. W. Downs, (R).....	1925
	John C. Horning, (R).....	1926		S. W. Baker, (R).....	1926
Dekalb.....	L. W. Geiser, (R).....	1924	Johnson.....	Cecil Smyser, (D).....	1924
	Perry Depew, (R).....	1925		H. M. Green, (D).....	1925
	Geo. W. Clark, (D).....	1926		Wm. Brown, (D).....	1926
Delaware.....	John McCreery, (R).....	1926	Knox.....	Douglas Horrall, (R).....	1924
	Clarence L. Retherford, (R).....	1924		Jacob J. Kuhn, (R).....	1925
	Sherman J. Shroyer, (R).....	1925		John A. Elliott, (D).....	1926
Dubois.....	Henry C. Hasenour, (D).....	1924	Kosciusko.....	E. A. Arnold, (R).....	1925
	John A. Stenftenagel, (D).....	1925		C. D. Longenecker, (R).....	1924
	Henry Hopster, (D).....	1926		Charles Beatty, (R).....	1926
Elkhart.....	George C. Kistner, (R).....	1925	Lagrange.....	Harry C. Price, (R).....	1926
	Edward Iffert, (R).....	1924		John D. McGraw, (R).....	1925
	Charles A. Sanford, (R).....	1926		Paul E. Sigler, (R).....	1924
Fayette.....	Chas. E. Smallwood, (R).....	1926	Lake.....	James Black, (R).....	1926
	Chas. W. Mason, (R).....	1926		John H. Clausen, (R).....	1927
	Wm. C. Whipple, (R).....	1924		George O. Schaaf, (R).....	1925
Floyd.....	Fred Ramsier, (D).....	1925	Laporte.....	J. C. Loomis, (R).....	1925
	William P. Drescher, (R).....	1924		August Danielson, (R).....	1926
	Alfred C. Knable, (D).....	1926		Albert Glassman, (D).....	1926
Fountain.....	E. E. Small, (R).....	1924	Lawrence.....	John D. Hobson, (R).....	1926
	W. J. Mallott, (R).....	1925		B. W. Moore, (R).....	1925
	Walter Marshall, (R).....	1926		O. C. Bryant, (R).....	1924
Franklin.....	Wm. D. Moore, (D).....	1925	Madison.....	Charles Poindexter, (R).....	1925
	Jacob Klein, (D).....	1926		Wm. F. Pierce, (R).....	1924
	A. W. Waechter, (D).....	1927		John H. Sigler, (D).....	1926

COUNTIES	County Commissioners	Expi- ration of Term	COUNTIES	County Commissioners	Expi- ration of Term
Marion.....	Albert Hoffman, (R).....	1925	St. Joseph.....	M. L. Brummitt, (R).....	1925
	Harry D. Tutewiler, (R).....	1924		Noah Lehman, (R).....	1924
	John Kitley, (D).....	1926		Ernest Beebe, (D).....	1926
Marshall.....	Geo. M. Sprague, (R).....	1925	Scott.....	Charles Taff, (D).....	1926
	H. E. Buck, (R).....	1924		Charles Payne, (R).....	1924
	James Beck, (D).....	1925		C. L. Ried, (R).....	1924
Martin.....	William M. Lyon, (R).....	1924	Shelby.....	Walter Wertz, (D).....	1924
	George W. Sargent, (R).....	1925		Geo. C. Rhodes, (D).....	1925
	Samuel S. Sherfiek, (D).....	1926		Geo. Holmes, (D).....	1926
Miami.....	Eugene Mills, (R).....	1925	Spencer.....	James Kennedy, (R).....	1926
	Richard Gilbert, (R).....	1924		Alva McKenney, (R).....	1926
	David T. Kessler, (D).....	1926		J. J. Burkhart, (R).....	1924
Monroe.....	Orville Butcher, (D).....	1926	Starke.....	Herbert R. Koffel, (R).....	1925
	Harvey Stephenson, (R).....	1925		Chas T. Johnson, (R).....	1924
	John S. Curry, (R).....	1924		William W. Osborn, (R).....	1926
Montgomery..	O. W. Bratton, (R).....	1926	Steuben.....	George M. Brown, (R).....	1924
	A. C. Evans, (R).....	1924		Dorsey C. Reese, (R).....	1926
	David W. Willis, (R).....	1925		Chas. E. Shotts, (R).....	1924
Morgan.....	Albert Marley, (R).....	1924	Sullivan.....	Percy Wolfe, (D).....	1924
	Chas. Bethwell, (R).....	1924		C. F. Springer, (D).....	1925
	Gilbert Maxwell, (D).....	1925		Ward Engle, (D).....	1926
Newton.....	Sumner H. Dickinson, (R).....	1925	Switzerland....	Moody Dodd, (D).....	1925
	Jeptha B. Staton, (R).....	1926		W. E. Stewart, (R).....	1924
	George H. Hillis, (R).....	1924		L. F. Clark, (R).....	1924
Noble.....	John Adair, (R).....	1924	Tippecanoe....	Harry E. Yundt, (R).....	1925
	Harvey G. Eshelman, (R).....	1925		Henry Rauch, (R).....	1927
	Charles Schwab, (R).....	1926		John Martin, (R).....	1926
Ohio.....	Gilbert C. Walston, (D).....	1926	Tipton.....	John F. Morris, (R).....	1925
	Ezra T. Winn, (R).....	1924		W. M. Orr, (R).....	1924
	Charles W. Higbee, (R).....	1925		Edward McLary, (D).....	1926
Orange.....	Wm. J. Clevenger, (R).....	1924	Union.....	A. T. Barnard, (R).....	1924
	M. E. Apple, (R).....	1925		Harry E. Allen, (R).....	1925
	Edward B. Sanders, (R).....	1926		DeWitt Wilson, (R).....	1926
Owen.....	Frank Mugg, (R).....	1925	Vanderburgh...	Shelby McDowell, (R).....	1926
	Morton Kay, (R).....	1924		John Henze, (R).....	1925
	Victor Smith, (D).....	1926		Wm. E. Ruston, (R).....	1927
Parke.....	J. H. Adams, (R).....	1925	Vermillion.....	W. T. Sanders, (R).....	1924
	Chas. De Baun, (R).....	1925		Joe W. Moore, (R).....	1925
	Claude Miller, (R).....	1926		E. E. Randolph, (D).....	1926
Perry.....	Henry Black, (R).....	1924	Vigo.....	Harry W. Willis, (R).....	1924
	Aug. E. Peters, (D).....	1926		Wm. G. Davis, (R).....	1925
	John Purnhage, (D).....	1927		Jos. R. Thomas, (D).....	1926
Pike.....	L. K. Barnett, (R).....	1924	Wabash.....	Henry White, (R).....	1925
	V. B. Phillips, (R).....	1925		Arthur Tomson, (R).....	1924
	Joel Ross, (D).....	1926		Fred Barnhart, (R).....	1926
Porter.....	A. H. Pollentzke, (R).....	1924	Warren.....	Ed C. Davis, (R).....	1924
	F. W. Alpen, (R).....	1925		Humphrey Beckett, (R).....	1926
	Marion Curtis, (R).....	1926		T. A. Barr, (R).....	1926
Posey.....	John L. Stallings, (D).....	1924	Warriek.....	Wm. L. Hay, (R).....	1925
	Edward A. Overton, (D).....	1925		John Winterheimer, (R).....	1924
	Robert W. Highman, (D).....	1926		John Robinson, (D).....	1926
Pulaski.....	Charles Reinholdt, (D).....	1926	Washington....	Leander Patton, (D).....	1924
	Sylvester Chapman, (R).....	1924		Frank J. Schocke, (D).....	1925
	William F. Badger, (R).....	1925		Dan W. Elrod, (D).....	1926
Putnam.....	David J. Skelton, (D).....	1924	Wayne.....	Albert Hindman, (R).....	1926
	Rees R. Buis, (D).....	1925		Louis N. Hampton, (R).....	1925
	W. F. Davis, (D).....	1925		Wm. K. Cheesman, (R).....	1924
Randolph....	Clyde Shultz, (R).....	1924	Wells.....	A. J. Byrd, (D).....	1926
	William D. Parker, (R).....	1926		Wm. Huffman, (D).....	1925
	Walter Bowers, (R).....	1926		John Heckley, (D).....	1926
Ripley.....	William B. Meyers, (R).....	1926	White.....	John Mattix, (R).....	1925
	Henry H. Gookins, (R).....	1925		W. C. Kinney, (R).....	1924
	Robert G. Schulenberg, (R).....	1924		Robert Hornbeck, (R).....	1926
Rush.....	Samuel H. Young, (R).....	1924	Whitley.....	George Harshman, (R).....	1924
	George H. Bell, (R).....	1925		John Schuman, (D).....	1925
	Harry Gosnell, (R).....	1926		Wm. Spittler, (D).....	1926

CIRCUIT COURT JUDGES

Term, 6 Years

Circuit Number	County	Name	Address	Term Expires
1	Vanderburgh	Philip C. Gould	Evansville	Nov. 21, 1924
2	Warrick	Caleb J. Lindsey	Boonville	Nov. 16, 1923
3	Crawford, Harrison	Thomas J. Wilson	Corydon	Oct. 22, 1927
4	Clark	James W. Fortune	Jeffersonville	Nov. 17, 1926
5	Jefferson, Switzerland	Edward S. Roberts	Madison	Oct. 22, 1927
6	Ripley, Jennings, Scott	John R. Carney	Vernon	Nov. 26, 1924
7	Dearborn, Ohio	Charles A. Lowe	Lawrenceburg	Nov. 17, 1926
8	Brown, Johnson	Fremont Miller	Franklin	Nov. 13, 1924
9	Bartholomew, Decatur	John W. Donaker	Columbus	Nov. 19, 1923
10	Monroe, Owen	Herbert A. Rundell	Spencer	Nov. 10, 1926
11	Posey	Herdin F. Clements	Mt. Vernon	Oct. 24, 1927
12	Knox	Thomas B. Coulter	Vincennes	Dec. 1, 1924
13	Clay	Thomas W. Hutchison	Brazil	Nov. 16, 1924
14	Sullivan	Walter F. Wood	Sullivan	Nov. 14, 1924
15	Morgan	Alfred M. Bain	Martinsville	Nov. 16, 1924
16	Shelby	Harry C. Morrison	Shelbyville	Jan. 1, 1929
17	Wayne	William A. Bond	Richmond	Nov. 13, 1926
18	Hancock	Jonas P. Walker	Greenfield	Nov. 15, 1924
19	Marion	Harry O. Chamberlin	Indianapolis	Nov. 11, 1926
20	Boone	Frank E. Hutchinson	Lebanon	Nov. 10, 1926
21	Benton, Warren	Burton B. Berry	Fowler	Nov. 15, 1924
22	Montgomery	Jere West	Crawfordsville	Oct. 21, 1927
23	Tippecanoe	Homer W. Hennegar	Lafayette	Dec. 3, 1926
24	Hamilton	Fred E. Hines	Noblesville	Oct. 19, 1927
25	Randolph	Alonzo L. Bales	Winchester	Nov. 14, 1926
26	Adams	John C. Moran	Deatur	Nov. 13, 1925
27	Wabash	Frank O. Switzer	Wabash	Oct. 21, 1927
28	Wells	Frank W. Gordon	Bluffton	Nov. 17, 1924
29	Cass	Paul M. Souder	Logansport	Jan. 1, 1927
30	Jasper, Newton	George A. Williams	Rensselaer	Nov. 10, 1926
31	Lake	E. Miles Norton	Crown Point	Nov. 13, 1926
32	Laporte	John C. Richter	Laporte	Nov. 15, 1923
33	Noble, Whitley	Arthur F. Biggs	Ligonier	Nov. 17, 1926
34	Elkhart, Lagrange	James S. Drake	Goshen	Nov. 21, 1923
35	Dekalb, Steuben	William P. Endicott	Auburn	Nov. 18, 1923
36	Tipton	James M. Purvis	Tipton	Jan. 1, 1925
37	Franklin, Union	Cecil C. Tague	Brookville	Jan. 1, 1929
38	Allen	Sol A. Wood	Port Wayne	Nov. 15, 1924
39	Carroll, White	Benjamin F. Carr	Monticello	Nov. 19, 1924
40	Lawrence, Jackson	James A. Cox	Crothersville	Nov. 19, 1924
41	Fulton, Marshall	Reuben R. Carr	Rochester	Nov. 21, 1926
42	Orange, Washington	James L. Tucker	Salem	Nov. 16, 1924
43	Vigo	John P. Jeffries	Terre Haute	Nov. 23, 1926
44	Pulaski, Starke	William C. Pentecost	Knox	Nov. 12, 1926
45	Clinton	Earl B. Stroup	Frankfort	Nov. 12, 1926
46	Delaware	Clarence W. Dearth	Muncie	Nov. 15, 1923
47	Vermillion	William C. Wait	Newport	Nov. 15, 1923
48	Grant	J. Frank Charles	Marion	Nov. 15, 1923
49	Daviess, Martin	Milton S. Hastings	Washington	Nov. 15, 1923
50	Madison	Wm. A. Kittinger	Anderson	Nov. 12, 1926
51	Miami	Albert Ward	Peru	Nov. 17, 1926
52	Floyd	John M. Paris	New Albany	Nov. 6, 1926
53	Henry	Fred C. Gause	Newcastle	Nov. 17, 1926
54	Kosciusko	Lemuel W. Royse	Warsaw	Nov. 17, 1926
55	Hendricks	Zimri E. Dougan	Danville	Nov. 16, 1924
56	Huntington	Sumner Kenner	Huntington	Nov. 10, 1924
57	Dubois, Pike	John F. Dillon	Jasper	Nov. 16, 1926
58	Jay	Roscoe D. Wheat	Portland	Nov. 17, 1923
60	St. Joseph	Walter A. Funk	South Bend	Nov. 14, 1924
61	Fountain	Omer B. Rateliff	Covington	Nov. 16, 1924
62	Howard	John Marshall	Kokomo	Jan. 1, 1929
63	Green	Thomas Van Buskirk	Bloomfield	Nov. 14, 1924
64	Putnam	James P. Hughes	Greencastle	Nov. 14, 1924
65	Rush	Will M. Sparks	Rushville	Jan. 1, 1927
66	Gibson	Robert C. Baltzell	Princeton	Nov. 14, 1926
67	Porter	Hannibal H. Loring	Valparaiso	Nov. 13, 1926
68	Parke	Roy Baker	Rockville	Nov. 15, 1923
69	Decatur	John W. Craig	Greensburg	Nov. 26, 1926
70	Spencer, Perry	Fred A. Heuring	Rockport	Nov. 24, 1926
71	Blackford	Victor H. Simmons	Hartford City	Next general election
73	Fayette	E. Ralph Himelick	Connersville	Oct. 27, 1923

SUPERIOR COURT JUDGES

Term, 4 Years.

COUNTY	Name	Address	Expiration of Term
Allen.....	Charles J. Ryan.....	Fort Wayne.....	Nov. 15, 1926
Delaware-Grant.....	Robert Murray.....	Muncie.....	Jan. 1, 1927
Elkhart.....	Wm. B. Hile.....	Elkhart.....	Jan. 1, 1927
Grant-Delaware.....	Robert Murray.....	Muncie.....	Jan. 1, 1927
Lake—			
Room 1.....	Virgil S. Reiter.....	Hammond.....	Nov. 27, 1926
Room 2.....	Maurice E. Crites.....	Hammond.....	Nov. 10, 1926
Room 3.....	Charles E. Greenwald.....	Gary.....	Nov. 11, 1926
Laporte-Porter.....	Harry L. Crumpacker.....	Michigan City.....	Jan. 1, 1927
Madison.....	Willis S. Ellis.....	Anderson.....	Dec. 1, 1926
Marion—			
Room 1.....	James M. Leathers.....	Indianapolis.....	Nov. 20, 1926
Room 2.....	Linn D. Hay.....	Indianapolis.....	Nov. 18, 1926
Room 3.....	Sidney S. Miller.....	Indianapolis.....	Dec. 1, 1926
Room 4.....	Clinton H. Givan.....	Indianapolis.....	Dec. 1, 1926
Room 5.....	Theophilus J. Moll.....	Indianapolis.....	Dec. 1, 1926
Porter-Laporte.....	Harry L. Crumpacker.....	Michigan City.....	Jan. 1, 1927
St. Joseph—			
Room 1.....	J. Fred Bingham.....	South Bend.....	Jan. 1, 1927
Room 2.....	Lenn J. Oare.....	South Bend.....	Jan. 1, 1927
Tiptecanoe.....	Henry H. Vinton.....	Lafayette.....	Jan. 1, 1927
Vanderburgh.....	Edgar Durre.....	Evansville.....	Nov. 16, 1926
Vigo—			
Room 1.....	John E. Cox.....	Terre Haute.....	Jan. 1, 1927
Room 2.....	Wm. T. Gleason.....	Terre Haute.....	Jan. 1, 1925

PROBATE JUDGES

COUNTY	Name	Address	Expiration of Term
Marion.....	Mahlon E. Bash.....	Indianapolis.....	Jan. 1, 1927
Vanderburgh.....	Elmer Q. Lockyear.....	Evansville.....	Jan. 1, 1925

CRIMINAL JUDGES

COUNTY	Name	Address	Expiration of Term
Lake.....	Martin J. Smith.....	Crown Point.....	Jan. 1, 1925
Marion.....	James A. Collins.....	Indianapolis.....	Jan. 1, 1927

JUVENILE JUDGE

COUNTY	Name	Address	Expiration of Term
Marion.....	Frank J. Lahr.....	Indianapolis.....	Nov. 30, 1926

PROSECUTING ATTORNEYS

Term, 2 Years

Circuit Number	County	Name	Address	Term Expires
1	Vanderburgh	George D. Heilman	Evansville	Jan. 1, 1924
2	Warrick	Henry A. Bippus	Newburgh	Jan. 1, 1925
3	Crawford, Harrison	Sam P. Vogt	Corydon, R. 1	Jan. 1, 1925
4	Clark	James L. Bottorff	Jeffersonville	Jan. 1, 1925
5	Jefferson, Switzerland	Byron E. Mouser	Madison	Jan. 1, 1924
6	Ripley, Jennings and Scott	William M. Turner	Osgood	Jan. 1, 1925
7	Dearborn, Ohio	Thomas A. Cooper	Aurora	Jan. 1, 1925
8	Brown, Johnson	John P. Wright	Franklin	Jan. 1, 1924
9	Bartholomew, Decatur	John E. Summa	Columbus	Jan. 1, 1925
10	Monroe, Owen	Q. Austin East	Bloomington	Jan. 1, 1924
11	Posey	James S. Kilroy	Poseyville	Jan. 1, 1925
12	Knox	Floyd L. Young	Vincennes	Jan. 1, 1925
13	Clay	Roy V. Tozer	Brazil	Jan. 1, 1925
14	Sullivan	Novral K. Harris	Sullivan	Jan. 1, 1924
15	Morgan	Fred W. Steiger	Centerton	Jan. 1, 1925
16	Shelby	Arthur L. McLane	Shebyville	Jan. 1, 1925
17	Wayne	Frank T. Strayer	Richmond	Jan. 1, 1925
18	Hancock	Waldo C. Ging	Greenfield	Jan. 1, 1925
19	Marion	William P. Evans	Indianapolis	Jan. 1, 1925
20	Boone	Ruel H. Cain	Lebanon	Jan. 1, 1925
21	Benton, Warren	Wilber G. Nolin	Fowler	Jan. 1, 1925
22	Montgomery	Harry D. Michael	Crawfordsville	Jan. 1, 1925
23	Tiptecanoe	Morris R. Parks	Lafayette	Jan. 1, 1924
24	Hamilton	Ralph H. Waltz	Noblesville	Jan. 1, 1924
25	Randolph	Ernest M. Dunn	Winchester	Jan. 1, 1925
26	Adams	E. Burt Lenhart	Decatur	Jan. 1, 1925
27	Wabash	Howard E. Plummer	Wabash	Jan. 1, 1925
28	Wells	Victor H. Simmons	Hartford City	Jan. 1, 1925
29	Cass	Don Douglass	Logansport	Jan. 1, 1925
30	Jasper, Newton	James C. Murphy	Morocco	Jan. 1, 1925
31	Lake	Dwight M. Kinder	Gary	Jan. 1, 1925
32	Laporte	Earl Rowley	Laporte	Jan. 1, 1924
33	Noble, Whitley	George O. Compton	Columbia City	Jan. 1, 1925
34	Elkhart, Lagrange	Glen R. Sawyer	Elkhart	Jan. 1, 1924
35	Dekalb, Steuben	Thomas P. French	Angola	Jan. 1, 1924
36	Tipton	Alfred A. Fletcher	Tipton	Jan. 1, 1925
37	Franklin, Union	Elmer F. Bossert	Brookville	Jan. 1, 1925
38	Allen	Louis F. Crosby	Fort Wayne	Jan. 1, 1924
39	Carroll, White	Glen R. Slenker	Monticello	Jan. 1, 1925
40	Lawrence, Jackson	Merlin C. Roach	Bedford	Jan. 1, 1925
41	Fulton, Marshall	Alvin F. Marsh	Plymouth	Jan. 1, 1925
42	Orange, Washington	Thomas P. Masterson	Salem	Jan. 1, 1925
43	Vigo	Noble J. Johnson	Terre Haute	Jan. 1, 1925
44	Pulaski, Starke	George Dellinger	Winamac	Jan. 1, 1925
45	Clinton	Paul E. Laymon	Frankfort	Jan. 1, 1925
46	Delaware	Van L. Ogle	Muncie	Jan. 1, 1925
47	Vermillion	Willis A. Satterlee	Clinton	Jan. 1, 1925
48	Grant	Geo. Moses Coon	Marion	Jan. 1, 1924
49	Daviess, Martin	J. Earl Thompson	Washington	Jan. 1, 1925
50	Madison	Charles E. Smith	Anderson	Jan. 1, 1925
51	Miami	Hugh P. Lawrence	Peru	Jan. 1, 1925
52	Floyd	Charles R. Turner	New Albany	Jan. 1, 1925
53	Henry	George R. Jeffrey	Newcastle	Jan. 1, 1924
54	Kosciusko	Morrison A. Rockhill	Warsaw	Jan. 1, 1925
55	Hendricks	John T. Hume	Danville	Jan. 1, 1925
56	Huntington	Burdge H. Hurd	Huntington	Jan. 1, 1925
57	Dubois, Pike	Carl M. Gray	Petersburg	Jan. 1, 1925
58	Jay	Austin H. Williamson	Portland	Jan. 1, 1925
60	St. Joseph	Frank E. Coughlin	South Bend	Jan. 1, 1925
61	Fountain	John P. Brissey	Covington	Jan. 1, 1925
62	Howard	Forest A. Harness	Kokomo	Jan. 1, 1925
63	Greene	George G. Humphreys	Linton	Jan. 1, 1925
64	Putnam	Glenn H. Lyon	Greencastle	Jan. 1, 1925
65	Rush	Gates Ketchum	Rushville	Jan. 1, 1925
66	Gibson	Geo. L. Bridenbager	Owensville	Jan. 1, 1925
67	Porter	Field Ray Marine	Valparaiso	Jan. 1, 1925
68	Parke	Hugh H. Banta	Rockville	Jan. 1, 1925
69	Decatur	John W. Holcomb	Greensburg	Jan. 1, 1925
70	Spencer, Perry	Daniel C. Goble	Cannelton	Jan. 1, 1925
71	Blackford	Hugh J. Maddox	Montpelier	Next general election
73	Fayette	William E. Sparks	Connersville	Jan. 1, 1924

MORTGAGES FILED AND SATISFIED, 1921—COUNTY RECORDERS' REPORTS

COUNTIES	Mortgages on Farms				Mortgages on City and Town Lots				School Fund Mortgages			
	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount
State Total.....	25,856	\$80,896,041	21,284	\$53,960,165	44,591	\$101,490,286	35,640	\$60,989,041	1,426	\$1,532,066	1,224	\$1,421,979
Adams.....	280	1,105,357	337	852,415	150	161,256	166	126,464	11	10,975	38	14,636
Allen.....	560	1,948,400	337	758,682	3,094	6,960,341	2,692	4,105,105	27	42,838	36	48,444
Bartholomew.....	226	666,208	214	411,356	203	127,603	170	123,674	17	21,400	13	16,405
Benton.....	239	1,943,235	196	1,321,948	76	120,010	77	63,073	20	14,500	20	13,700
Blackford.....	146	463,187	124	304,471	144	123,894	115	74,004	13	13,225	13	12,225
Boone.....	398	1,374,506	406	926,344	195	254,447	239	205,581	18	27,180	15	43,454
Brown.....	100	87,132	95	62,183	13	7,688	3	2,290	6	2,900	7	1,850
Carroll.....	224	798,140	184	575,850	85	62,221	101	78,095	7	7,842	7	6,600
Cass.....	277	1,123,769	268	2,007,769	301	497,373	413	416,427	37	42,596	13	376,127
Clark.....	141	330,698	121	223,634	200	216,625	151	172,983	20	15,880	29	16,705
Clay.....	234	323,989	247	2,789,434	200	166,385	218	149,516	6	7,900	15	9,100
Clinton.....	303	1,223,256	236	777,455	388	560,335	360	404,088	16	15,432	17	14,072
Crawford.....	71	67,460	67	62,800	37	29,200	31	19,600	21	6,200	26	7,365
Davies.....	336	833,432	325	494,133	310	295,956	390	535,205	9	16,600	8	7,260
Dearborn.....	157	397,300	171	271,184	178	201,240	185	149,850	7	12,600	11	6,850
Decatur.....	283	529,874	137	329,976	164	185,993	150	147,244	5	5,850	12	12,405
Decalb.....	293	713,755	315	636,816	375	463,969	410	361,265	7	9,750	12	12,375
Delaware.....	582	1,842,365	318	1,214,384	636	1,989,542	644	558,613	7	9,400	6	2,534
Dubois.....	128	246,445	107	233,321	102	127,490	95	128,625	32	18,725	32	14,965
Elkhart.....	376	1,136,600	354	834,056	413	852,300	519	651,727	19	18,940	12	17,906
Fayette.....	97	228,398	110	141,000	291	340,208	324	210,000	6	12,750	2	11,050
Floyd.....	106	124,407	108	141,574	495	552,860	281	233,659	62	30,510	58	22,592
Fountain.....	330	770,930	270	420,255	160	385,460	112	210,115	10	7,930	11	11,900
Franklin.....	133	313,849	111	222,500	61	65,032	54	60,039	4	5,830	.....	.....
Fulton.....	286	915,707	299	823,354	130	154,934	93	64,916	19	8,875	15	5,315
Gibson.....	367	712,075	278	373,532	414	467,438	373	357,854	9	12,300	12	4,632
Grant.....	408	1,392,011	342	639,481	653	737,616	540	399,797	33	34,195	31	27,004
Greene.....	316	603,929	333	500,314	200	162,067	416	299,117	21	18,600	9	4,084
Hamilton.....	330	820,187	295	608,532	210	84,301	142	59,675	11	9,605	10	5,410
Hancock.....	223	716,921	196	515,255	146	142,589	101	80,391	9	7,600	6	5,525

Harrison.....	216	314,490	267	291,583	46	47,760	65	62,327	38	20,765	37	19,400
Hendricks.....	445	1,299,363	300	778,401	119	140,938	150	75,000	15	19,000	11	18,000
Henry.....	429	1,795,087	255	331,558	506	1,938,512	439	444,472	21	28,540	10	16,145
Howard.....	354	1,248,232	329	144,958	880	1,247,773	603	787,361	18	16,650	15	8,083
Huntington.....	363	1,062,378	304	670,766	404	482,893	361	330,051	10	20,200	14	15,640
Jackson.....	100	329,826	167	274,857	212	244,889	232	239,245	15	6,050	8	3,500
Jasper.....	301	832,709	258	1,160,501	104	144,276	81	74,359	5	6,020	3	1,275
Jay.....	332	882,317	270	116,122	160	116,238	150	102,846	22	28,773	20	14,000
Jefferson.....	162	190,810	147	145,049	175	165,330	198	155,797	13	9,520	11	5,715
Jennings.....	208	318,531	139	183,770	88	73,500	58	40,308	6	2,005	8	2,860
Johnson.....	299	1,107,967	221	549,321	237	1,221,064	239	220,789	8	11,080	11	8,900
Knox.....	639	240,200	200	138,250	1,230	2,925,000	1,200	934,300	19	26,000	15	24,000
Kosciusko.....	360	1,103,518	327	640,931	205	267,566	258	228,304	14	25,275	21	23,525
Lagrange.....	197	581,365	151	444,522	44	30,575	73	62,050	6	5,600	2	2,000
Lake.....	214	1,552,236	153	1,055,570	5,435	23,799,456	4,099	14,071,771	35	81,982	4	9,450
Laporte.....	520	1,450,000	350	1,250,000	400	1,110,000	275	800,000	12	16,500	5	8,500
Lawrence.....	228	307,469	284	290,811	359	344,620	340	283,897	15	10,230	26	11,287
Madison.....	310	1,292,724	321	2,953,592	1,103	2,157,917	927	1,119,033	5	1,795	.....	.....
Marion.....	1,362	619,486	873	233,846	9,414	24,591,525	4,846	17,779,943	62	81,419	23	80,667
Marshall.....	381	1,189,362	327	604,156	237	924,461	205	234,844	10	11,650	7	4,000
Martin.....	112	241,875	90	120,432	43	38,432	30	25,625	24	20,178	17	12,430
Miami.....	256	725,388	202	479,412	340	491,984	277	346,942	11	7,750	21	15,210
Monroe.....	217	320,065	173	230,806	422	481,256	206	206,550	8	8,050	24	7,980
Montgomery.....	482	1,495,815	386	1,100,929	292	1,335,804	310	276,100	6	8,450	6	18,275
Morgan.....	329	885,339	242	480,009	148	154,046	128	125,604	33	19,820	21	10,575
Newton.....	135	866,600	61	60,200	58	81,930	35	36,500	6	2,900	3	1,350
Noble.....	261	877,646	214	501,882	171	204,760	139	152,377	7	8,850	14	13,510
Ohio.....	32	71,687	29	58,150	29	30,032	25	16,074	4	1,950	3	1,500
Orange.....	144	769,267	136	768,269	88	123,757	89	78,236	9	3,200	10	3,370
Owen.....	170	239,922	240	221,721	77	48,650	51	38,275	5	4,025	.....	.....
Park.....	272	719,937	306	418,803	53	40,652	60	11,000	14	21,550	12	10,810
Perry.....	64	83,002	39	45,720	120	84,091	114	69,485	22	11,040	19	10,146
Pike.....	242	379,567	226	230,572	169	187,876	110	96,297	21	11,371	33	14,441
Porter.....	201	693,271	184	385,307	284	864,887	216	339,452	17	26,050	14	16,300
Posey.....	228	670,016	211	524,735	142	140,623	156	100,862	15	11,590	16	11,830
Pulaski.....	256	872,371	314	652,092	66	102,068	63	130,418	5	3,000	2	750
Putnam.....	421	1,137,989	260	550,739	151	171,157	94	76,781	17	17,630	18	14,925
Randolph.....	461	2,135,250	360	1,009,850	261	866,117	230	760,202	15	24,800	13	20,900
Ripley.....	209	310,000	140	176,000	101	82,000	79	65,300	10	18,000	4	7,200
Rush.....	303	1,210,559	217	688,475	205	228,322	171	154,521	16	16,920	7	7,350

MORTGAGES FILED AND SATISFIED, 1921—COUNTY RECORDERS' REPORTS

COUNTIES	Mortgages on Farms				Mortgages on City and Town Lots				School Fund Mortgages			
	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount
St. Joseph.....	278	977,167	214	508,926	2,357	5,418,568	1,982	2,287,314	25	40,650	14	20,500
Scott.....	122	209,478	108	129,805	74	42,725	59	37,303	2	825	7	2,128
Shelby.....	377	1,101,220	383	1,013,276	412	533,694	451	470,855	8	12,850	.....	.....
Spencer.....	167	345,731	153	244,431	49	37,102	33	22,658	10	10,875	15	9,304
Stark.....	338	700,807	303	772,549	102	126,357	92	61,116	11	7,520	3	1,300
Steuben.....	206	494,428	101	211,650	138	198,340	92	71,461	5	3,300	1	500
Sullivan.....	404	791,360	462	684,950	341	286,200	266	273,540	19	26,240	23	26,440
Switzerland.....	83	95,698	75	82,905	17	12,910	11	6,700	14	8,205	12	3,935
Tippecanoe.....	427	2,642,645	297	1,786,010	490	2,389,475	490	861,800	10	15,050	12	10,130
Tipton.....	318	7,127,464	227	1,846,786	142	153,236	133	103,883	16	13,350	8	6,325
Union.....	50	232,862	45	151,889	21	62,317	28	39,299	2	3,700	1	500
Vanderburgh.....	126	352,199	120	189,154	1,323	3,631,375	1,079	1,585,954	29	37,175	21	21,025
Vermillion.....	140	431,635	110	271,680	689	683,245	497	1,412,386	28	57,000	10	11,970
Vigo.....	312	523,005	231	532,161	2,020	1,492,215	1,967	1,212,420	59	62,100	26	27,500
Wabash.....	285	1,095,712	225	666,420	281	369,855	235	380,053	10	6,900	2	1,000
Warren.....	137	909,573	129	517,209	47	47,486	48	58,182	12	9,100	10	5,250
Warrick.....	150	421,394	182	308,972	364	200,642	203	150,518	17	7,985	5	1,515
Washington.....	188	358,948	152	178,983	134	67,206	118	58,772	11	13,950	17	11,851
Wayne.....	538	1,065,626	233	590,212	621	1,019,397	550	937,483	13	23,575	9	16,580
Wells.....	420	1,336,073	351	856,092	135	169,188	116	112,971	10	8,950	8	5,300
White.....	349	1,793,888	282	1,007,580	126	135,017	129	112,688	2	2,700	2	2,000
Whitley.....	290	854,870	284	420,967	116	172,526	124	119,786	12	15,460	14	12,405

MORTGAGES FILED AND SATISFIED, 1921—COUNTY RECORDERS' REPORTS—Continued

COUNTIES	Chattel Mortgages			Liens			Total Mortgages Filed and Satisfied				Number Farm Names Recorded	
	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount	Number Satisfied			
Harrison.....	74	35,533	28	13,196	5	1,651	377	420,199	397	386,506	4	
Hendricks.....	304	158,586	68	43,644	49	9,193	932	1,627,080	529	915,045	3	
Henry.....	823	341,266	210	138,370	126	26,880	1,915	4,130,285	993	1,250,253	3	
Howard.....	907	626,694	331	127,938	285	33,874	2,454	3,223,223	1,432	1,102,225	2	
Huntington.....	875	231,399	811	145,278	383	47,268	2,035	1,844,138	1,611	1,182,858	2	
Jackson.....	586	128,061	407	92,977	40	39,514	953	748,340	826	617,543	2	
Jasper.....	391	316,905	138	79,918	58	10,101	859	2,316,011	513	1,327,767	56	
Jay.....	284	180,590	110	117,239	177	117,239	965	1,275,157	578	567,281	2	
Jefferson.....	450	68,057	191	29,194	22	2,043	822	436,260	559	337,067	1	
Jennings.....	111	37,677	29	12,068	53	3,428	466	435,141	259	241,670	.....
Johnson.....	478	190,772	276	117,030	144	21,957	1,166	2,552,840	802	909,910	1	
Knox.....	1,380	138,000	985	99,000	244	15,000	3,512	3,344,200	2,500	1,199,800	1	
Kosciusko.....	325	197,401	125	39,150	157	21,550	1,061	1,615,310	772	951,857	2	
Lagrange.....	103	60,086	55	29,384	42	10,728	13,007	392	688,654	295	550,963	2
Lake.....	2,150	1,794,010	633	335,824	2,457	1,337,931	10,291	28,565,615	6,113	16,358,820	4	
Laporte.....	950	475,000	490	175,500	95	18,775	1,977	3,070,275	1,161	2,243,600	.....
Lawrence.....	158	70,942	39	13,822	27	3,550	787	736,811	699	609,872	2	
Madison.....	1,152	439,492	395	135,945	568	111,997	3,138	4,003,925	1,828	4,337,327	3	
Marion.....	7,415	612,476	4,877	296,266	1,652	154,312	19,905	26,059,218	12,816	18,536,843	.....
Marshall.....	375	205,267	136	69,815	43	7,083	1,046	2,337,823	693	975,600	4	
Martin.....	60	40,679	15	20,640	24	15,040	263	356,204	156	180,527	.....
Miami.....	635	243,346	432	106,715	75	16,124	1,317	1,484,592	972	964,064	2	
Monroe.....	173	41,401	63	30,456	73	10,899	893	861,671	520	490,643	.....
Montgomery.....	537	285,747	209	85,593	124	30,243	22,777	3,156,059	993	1,503,674	2	
Morgan.....	125	48,783	68	18,138	92	14,396	7,727	1,122,354	490	641,393	3	
Newton.....	196	217,590	31	71,430	21	6,372	416	1,175,392	133	170,230	.....
Noble.....	261	164,615	90	57,899	40	5,832	740	1,261,703	463	727,541	.....
Ohio.....	41	10,855	28	5,334	1	73	1,077	114,597	92	82,556	.....
Orange.....	36	17,512	25	22,329	14	2,915	291	925,651	264	872,379	2	
Owen.....	101	38,450	.....	.....	37	7,236	396	338,283	291	259,996	.....

Parke.....	2 16	91,052	102	26,077	48	8,127	24	2,916	603	881,318	504	469,606	3
Perry.....	33	10,636	12	5,390	.....	.....	.....	.....	239	189,369	184	130,741	.....
Pike.....	105	39,907	35	17,622	138	27,895	31	9,294	830	646,616	435	368,226	.....
Ple.....	252	209,000	45	65,632	76	22,177	43	13,360	830	1,815,185	502	800,051	2
Porter.....	768	474,691	245	101,063	59	6,492	32	8,293	1,212	1,303,412	660	746,773	.....
Posey.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulaski.....	447	221,561	378	112,395	58	19,418	26	7,873	832	1,218,418	783	903,528	2
Putnam.....	386	166,056	145	75,377	73	11,985	21	10,728	1,048	1,504,117	548	728,550	.....
Randolph.....	412	236,430	228	96,947	103	25,771	51	15,408	1,252	3,308,438	882	1,903,307	.....
Ripley.....	96	26,000	60	12,400	20	7,800	7	3,100	436	443,500	290	264,000	1
Rush.....	478	262,858	335	122,316	125	13,733	36	5,813	1,127	1,732,352	766	985,475	2
St. Joseph.....	1,293	625,792	689	242,906	509	200,846	244	105,433	4,462	7,263,023	3,143	3,165,079	4
Scott.....	35	17,185	22	7,936	7	993	6	6,209	250	271,206	202	183,351	.....
Shelby.....	968	299,607	1,386	402,864	141	17,065	52	5,260	1,906	1,966,436	2,282	1,892,335	1
Spencer.....	265	97,058	174	72,494	22	3,736	3	204	513	494,502	378	349,091	.....
Starke.....	215	99,565	69	34,110	72	15,035	27	4,398	738	949,784	494	873,473	5
Stenben.....	153	106,866	42	34,086	108	35,956	27	5,168	610	838,890	263	322,865	4
Sullivan.....	505	250,460	210	98,750	183	26,230	80	14,690	1,452	1,380,490	1,041	1,098,370	1
Switzerland.....	102	31,255	73	21,334	.....	.....	.....	.....	216	148,068	171	114,874	.....
Tiptecanoe.....	1,093	1,081,711	685	143,838	128	30,048	50	6,309	2,153	6,058,929	1,534	2,808,087	.....
Tipton.....	386	229,632	210	72,703	96	17,246	25	2,853	958	7,540,928	593	2,032,550	.....
Union.....	144	39,298	14	14,849	25	3,558	6	1,460	142	341,735	94	207,997	.....
Vanderburgh.....	1,178	1,836,563	871	328,215	447	290,298	234	127,334	3,103	6,147,610	2,225	2,251,682	1
Vermilion.....	315	124,275	46	21,180	172	42,765	22	12,469	1,344	1,338,920	685	729,658	1
Vigo.....	905	79,640	725	71,310	428	24,709	396	22,319	-3,724	2,181,669	3,345	1,865,710	.....
Wabash.....	485	269,453	100	75,221	169	58,524	54	14,531	1,180	1,800,444	616	1,147,225	95
Warren.....	296	782,489	58	646,489	25	5,147	9	4,717	517	1,753,746	254	1,231,847	.....
Warrick.....	459	167,361	115	29,813	64	17,461	24	8,204	1,054	814,843	529	499,022	1
Washington.....	53	27,848	35	15,701	37	8,909	17	4,114	423	476,861	339	269,421	1
Wayne.....	1,571	556,243	1,071	355,462	179	21,459	64	15,113	2,942	2,686,300	1,927	1,914,850	.....
Wells.....	889	205,068	51	35,988	178	9,843	502	34,675	932	1,729,122	1,028	1,045,026	2
White.....	561	334,555	372	237,955	36	18,575	22	8,425	1,074	2,335,005	807	1,368,548	1
Whitley.....	125	111,210	38	20,871	66	10,755	26	14,225	609	1,164,821	486	588,254	3

DEEDS FILED, 1921, LAND TRANSFERS—COUNTY RECORDERS' REPORTS

COUNTIES	*Warranty and Quit Claim Deeds		Sheriff's Deeds		Auditors' Deeds		Total Deeds Filed		Number One Dollar Considerations	Number Other Miscellaneous Papers
	Number	Consideration	Number	Consideration	Number	Consideration	Number	Consideration		
State Total.....	106,808	\$207,681,144	411	\$735,920	843	\$62,019	108,062	\$208,479,083	42,368	39,118
Adams.....	607	1,478,781	.....	.....	1	97	608	1,478,878	150	695
Allen.....	2,882	12,049,689	6	31,766	9	.....	2,897	12,081,643	1,186	1,186
Bartholomew.....	662	1,097,186	1	6,077	3	51	666	1,103,314	186	265
Benton.....	356	1,171,546	1	627	2	1,655	359	1,173,828	131	161
Blackford.....	634	893,787	5	2,458	22	642	661	806,887	254	176
Boone.....	846	2,518,176	2	1,519	.....	.....	848	2,519,695	189	484
Brown.....	372	276,333	3	4,217	12	175	387	280,725	107	54
Carroll.....	535	1,171,293	.....	.....	4	208	539	1,171,501	101	109
Cass.....	1,382	6,002,762	6	13,372	10	324	1,398	6,016,458	272	492
Clark.....	972	768,060	4	3,412	.....	.....	976	771,472	442	168
Clay.....	994	948,775	.....	.....	6	70	1,000	948,845	211	201
Clinton.....	1,138	3,201,145	1	3,906	1	2	1,140	3,205,053	316	234
Crawford.....	399	315,715	.....	.....	3	103	402	315,818	40	72
Davi s.....	804	1,827,723	1	5	3	23	808	1,827,751	201	223
Dearborn.....	504	331,727	.....	.....	.....	.....	504	331,727	337	78
Decatur.....	526	1,007,221	1	809	2	25	529	1,008,055	88	176
Dekalb.....	860	1,367,789	2	693	5	72	867	1,368,554	209	63
Delaware.....	1,716	2,724,518	.....	.....	6	148	1,722	2,724,666	924	293
Dubois.....	656	683,538	1	3,300	2	31	659	686,869	135	140
Elkhart.....	2,608	4,253,005	6	8,626	9	494	2,62	4,262,125	1,096	602
Fayette.....	500	579,174	.....	.....	.....	.....	500	579,174	284	63
Floyd.....	1,048	257,123	.....	.....	5	6,702	1,053	263,825	895	187
Fountain.....	707	1,495,267	2	47,081	5	174	714	1,542,517	188	998
Franklin.....	376	769,257	2	11,83	2	14	381	781,054	102	134
Fulton.....	768	1,882,725	2	6,938	9	489	779	1,889,152	201	227
Gibson.....	1,427	1,341,039	3	1,222	6	65	1,436	1,342,326	462	730
Grant.....	2,266	2,782,440	10	14,341	28	965	2,304	2,797,746	625	1,017
Greene.....	1,699	2,705,467	3	2,767	3	2,222	1,734	2,710,456	314	173
Hamilton.....	890	28,906,120	4	5,226	7	334	901	28,911,680	222	1,042
Hancock.....	556	1,232,934	2	1,250	6	252	564	1,234,436	213	296

Harrison.....	327	440,222	.....	.....	1	6	328	4,0,238	183
Hendricks.....	596	2,352,669	.....	3,800	.....	.....	598	2,356,469	224
Henry.....	1,048	13,023,546	.....	1,232	.....	3	1,050	13,024,781	300
Howard.....	1,178	3,658,552	.....	5,113	.....	7	1,190	3,603,847	668
Huntington.....	817	2,475,744	.....	3,143	.....	10	833	2,479,144	367
Jackson.....	910	1,156,804	.....	6,744	.....	144	924	1,163,692	278
Jasper.....	481	1,609,367	.....	10,773	.....	210	486	1,620,350	135
Jay.....	1,154	1,411,127	.....	5,500	.....	64	1,159	1,416,691	324
Jefferson.....	559	1,412,554	.....	.....	.....	21	564	1,412,575	220
Jennings.....	511	1,496,063	.....	4,520	.....	230	522	1,501,353	178
Johnson.....	732	1,297,765	.....	2,168	.....	175	735	1,300,108	163
Knox.....	1,909	4,300,000	.....	6,000	.....	900	1,929	4,306,900	1,000
Kosciusko.....	1,127	2,704,422	.....	13,333	.....	327	1,141	2,718,082	839
Lagrange.....	495	1,059,595	.....	1,292	.....	49	496	1,060,936	817
Lake.....	7,094	5,688,417	.....	164,850	.....	17,557	7,246	5,870,824	111
Laporte.....	1,100	2,150,000	.....	6,300	.....	250	1,112	2,156,550	2,365
Lawrence.....	1,353	1,230,794	.....	20,286	.....	1,707	1,376	1,252,787	910
Madison.....	2,535	3,727,417	.....	752	.....	1,670	2,643	3,729,839	366
Marion.....	13,428	13,081,418	.....	3,164	.....	6,120	13,537	13,090,702	7,839
Marshall.....	1,090	1,928,020	.....	7,101	.....	.....	1,094	1,935,121	842
Martin.....	408	259,136	.....	4,105	.....	1,867	421	265,108	322
Miami.....	898	1,575,511	.....	953	.....	104	907	1,576,568	120
Monroe.....	1,050	3,595,565	.....	3,573	.....	1,131	1,087	3,600,067	160
Montgomery.....	1,119	2,579,014	.....	27,600	.....	.....	1,126	2,606,614	272
Morgan.....	693	1,196,689	.....	11,151	.....	70	702	1,207,910	141
Newton.....	173	797,740	.....	730	.....	262	184	798,732	185
Noble.....	800	1,670,563	.....	62,500	.....	175	819	1,733,238	112
Ohio.....	36	93,054	.....	525	.....	.....	38	93,579	105
Orange.....	720	715,055	.....	983	.....	26	723	716,064	167
Owen.....	381	538,292	.....	1,509	.....	293	393	540,094	27
Parke.....	734	868,011	.....	3,140	.....	273	749	871,424	46
Perry.....	497	317,545	.....	223	.....	127	508	317,895	311
Pike.....	1,039	774,200	.....	2	.....	103	1,041	774,305	103
Porter.....	304	1,294,732	.....	1,587	.....	1,197	941	1,297,536	673
Posey.....	499	693,150	.....	23,000	.....	167	504	716,317	528
Pulaski.....	563	1,221,240	.....	2,097	.....	.....	565	1,223,337	139
Putnam.....	872	1,593,773	.....	6,504	.....	75	883	1,600,352	206
Randolph.....	793	1,656,666	.....	.....	.....	51	801	1,656,717	257
Ripley.....	543	726,807	.....	6,154	.....	27	547	732,988	247
Rush.....	344	1,099,934	.....	850	.....	30	347	1,100,814	89
			.....		.....				110
			.....		.....				196

DEEDS FILED, 1921, LAND TRANSFERS—COUNTY RECORDERS' REPORTS—Continued

COUNTIES	*Warranty and Quit Claim Deeds		Sheriffs' Deeds		Auditors' Deeds		Total Deeds Filed		Number One Dollar Considera- tions	Number Other Miscel- laneous Papers
	Number	Consideration	Number	Consideration	Number	Consideration	Number	Consideration		
St. Joseph.....	4,900	1,745,299	7	14,251	34	916	4,941	1,760,466	3,980	1,023
Scott.....	280	216,143	3	2,028	1	597	284	218,768	108	76
Shelby.....	891	2,099,585	.....	.....	.....	.....	891	2,099,585	119	1,072
Spencer.....	495	545,513	.....	.....	9	83	504	545,806	104	119
Starke.....	429	795,900	9	12,709	13	700	451	809,315	276	161
Steuben.....	909	1,345,712	2	6,371	8	366	919	1,352,449	172	351
Sullivan.....	1,491	1,987,420	2	4,567	14	927	1,507	1,992,914	323	413
Switzerland.....	222	286,864	.....	.....	1	4	223	286,868	31	38
Tippecanoe.....	1,481	4,179,412	4	16,089	28	1,406	1,513	4,196,907	488	486
Tipton.....	536	1,456,788	.....	.....	.....	.....	536	1,456,788	118	140
Union.....	193	524,998	1	209	1	21	195	525,228	38	62
Vanderburgh.....	3,138	1,659,622	6	14,468	2	107	3,146	1,674,197	2,136	484
Vermillion.....	1,448	2,943,328	3	3,173	20	1,312	1,471	2,947,813	235	286
Vigo.....	3,672	2,895,015	22	47,315	16	1,142	3,710	2,943,472	1,210	911
Wabash.....	773	1,936,800	1	1,500	16	149	790	1,938,449	68	421
Warren.....	291	831,750	.....	.....	4	83	295	831,843	93	221
Warrick.....	721	565,405	3	3,644	8	1,976	732	510,925	304	383
Washington.....	539	511,717	4	3,509	5	189	548	515,415	188	96
Wayne.....	1,542	751,179	3	5,695	3	70	1,548	756,944	1,182	416
Wells.....	579	2,425,026	2	5,028	1	32	582	2,430,086	213	177
White.....	432	2,059,919	2	1,812	5	240	439	2,061,971	196	330
Whitley.....	646	1,555,892	.....	.....	7	304	653	1,556,196	125	280

*Includes also Executors', Administrators', Commissioners' and Guardians' Deeds.

ADMINISTRATION OF JUSTICE IN 1921—CIRCUIT, SUPERIOR, CRIMINAL AND PROBATE COURTS

COUNTY	CIVIL CASES										CRIMINAL CASES											
	Pending Jan. 1, 1921	Filed	Venued to Other Counties	Venued from Other Counties	Disposed of	Pending Dec. 31, 1921	Letters of Administration	Guardianships	Decrees of Foreclosure	Sheriffs' Sales	Adjudged of Unsound Mind	Pending Jan. 1, 1921	Filed	Dismissed	Venued to Other Counties	Venued from Other Counties	Disposed of	Pending Dec. 31, 1921	Convicted for Felonies, Released on Probation	Convicted for Misdemeanors, Released on Pro- bation	Fined Only	Acquitted
Adams.....	204	342	9	32	265	281	53	14	4	7	8	15	41	12	1	1	43	13	1	1	4	3
Allen*.....	312	652	28	3	519	417	289	91	7	5	25	43	228	59	1	1	207	62	28	8	15	23
Bartholomew.....	208	305	11	2	216	297	89	27	5	3	13	25	95	5	1	2	57	37	9	6	15	4
Benton.....	98	212	9	8	166	144	55	10	2	.....	5	14	14	7	.....	.....	9	19	.....	.....	1	.....
Blackford.....	112	229	5	3	212	129	27	24	17	11	3	40	33	16	.....	.....	31	42	1	3	4	2
Boone.....	159	363	2	30	273	222	114	27	11	1	7	29	80	33	.....	.....	43	31	7	3	5	1
Brown.....	8	61	4	2	46	13	15	4	7	5	4	5	39	8	.....	.....	37	7	.....	.....	.....	.....
Carroll.....	105	215	8	30	170	150	53	22	6	5	8	3	9	3	.....	1	9	3	.....	1	3	1
Cass.....	374	390	14	6	350	368	114	39	27	9	22	65	72	5	2	.....	108	29	8	12	2	4
Clark.....	215	303	16	17	421	177	75	34	4	4	10	42	55	10	1	.....	33	79	2	4	5	2
Clay.....	147	407	7	18	270	130	59	23	6	5	11	18	59	19	.....	1	58	19	2	3	1	2
Clinton.....	236	534	5	10	486	284	144	40	6	7	7	72	127	11	.....	.....	94	105	16	3	30	15
Crawford.....	68	68	6	7	74	62	25	7	.....	.....	1	18	36	10	.....	.....	25	29	2	.....	6	3
Daviess.....	49	223	3	19	230	42	65	26	20	8	10	7	42	8	.....	.....	36	13	1	.....	.....	2
Dearborn.....	66	128	3	4	70	86	40	17	1	.....	8	56	43	5	.....	.....	47	52	3	.....	19	5
Decatur.....	112	214	3	18	212	114	91	16	4	3	8	35	51	30	.....	1	45	28	4	.....	6	1
Dekalb.....	285	406	10	38	301	390	94	30	3	3	4	49	75	11	.....	.....	60	32	16	4	4	7
Delaware.....	476	1,003	14	6	914	565	119	60	46	6	35	95	184	58	3	.....	80	98	1	3	17	13
Dubois.....	88	150	8	5	140	88	75	30	10	6	5	40	62	15	3	4	40	35	.....	.....	10	.....
Elkhart.....	498	755	8	15	636	609	190	50	15	11	19	89	130	99	.....	.....	179	33	14	7	11	8
Fayette.....	118	222	5	8	220	120	48	18	5	4	5	17	94	22	.....	.....	62	49	6	10	1	6
Floyd.....	237	471	15	21	407	301	76	31	7	5	10	100	82	27	.....	1	88	134	.....	3	10	4
Fountain.....	187	279	6	7	269	197	70	23	9	14	5	48	101	18	.....	.....	86	61	12	12	36	14
Franklin.....	142	145	3	2	130	57	37	11	7	8	2	9	36	9	1	.....	33	12	.....	2	20	3
Fulton.....	143	221	.....	4	134	230	64	27	12	3	9	7	36	8	.....	.....	15	28	1	.....	3	.....

ADMINISTRATION OF JUSTICE IN 1921—CIRCUIT, SUPERIOR, CRIMINAL AND PROBATE COURTS—Continued.

COUNTY	CIVIL CASES										CRIMINAL CASES											
	Pending Jan. 1, 1921	Filed	Venued to Other Counties	Venued from Other Counties	Disposed of	Pending Dec. 31, 1921	Letters of Administration	Guardianships	Decree of Foreclosure	Sheriffs' Sales	Adjudged of Unsound Mind	Pending Jan. 1, 1921	Filed	Dismissed	Venued to Other Counties	Venued from Other Counties	Disposed of	Pending Dec. 31, 1921	Convicted for Releases, Released on Probation	Convicted for Misdemeanors, Released on Probation	Fined Only	Accused
Gibson.....	300	460	50	200	310	450	105	75	.....	25	16	50	50	15	.....	.....	45	55	.....	32	28	3
Grant.....	720	882	13	35	630	972	125	58	62	40	23	62	104	52	.....	.....	86	80	7	4	5	10
Greene.....	237	471	15	21	407	301	76	31	7	5	10	149	99	122	.....	.....	56	93	4	2	36	4
Hamilton.....	272	405	12	30	411	266	117	33	10	6	5	45	83	22	.....	.....	61	67	1	2	35	1
Hancock.....	397	336	24	48	312	421	76	27	10	3	5	92	162	78	.....	.....	160	94	4	16	22	2
Harrison.....	48	54	5	3	43	59	46	16	.....	3	5	34	28	9	.....	.....	24	38	1	6	5	3
Hendricks.....	187	243	7	53	182	241	84	35	10	6	10	8	106	18	.....	.....	85	32	5	1	35	3
Henry.....	308	579	12	45	558	329	104	39	22	7	13	81	159	113	.....	1	163	77	4	.....	17	2
Howard.....	527	738	25	5	477	578	102	46	14	12	10	104	146	71	.....	1	119	108	11	1	10	4
Huntington.....	433	528	12	25	589	372	108	42	7	9	7	28	86	10	3	1	46	68	.....	.....	4	1
Jackson.....	304	240	3	6	217	327	41	14	17	10	6	42	125	27	.....	3	89	49	.....	.....	86	3
Jasper.....	147	194	33	11	185	156	45	12	10	5	6	9	40	7	.....	7	23	26	3	.....	4	1
Jay.....	294	433	14	22	457	270	96	38	19	7	11	52	78	32	.....	.....	62	68	1	1	3	4
Jefferson.....	67	178	2	4	186	59	38	31	1	1	15	9	81	27	.....	.....	75	68	7	4	26	9
Jennings.....	50	91	3	4	86	55	25	8	15	10	11	29	39	28	.....	.....	51	17	.....	3	10	3
Johnson.....	97	317	9	37	263	151	61	25	27	7	9	11	52	10	.....	2	57	6	8	.....	.....	2
Knox.....	733	872	57	8	843	762	91	37	18	19	13	129	145	117	.....	.....	40	100	7	.....	1	12
Kosciusko.....	99	288	10	7	291	199	103	26	9	7	6	57	45	13	.....	.....	61	41	6	2	5	7
Lagrange.....	42	137	.....	.....	148	55	35	14	12	12	15	10	29	12	.....	.....	25	14	5	.....	1	3
Lake.....	2,540	2,894	137	11	2,960	2,547	317	117	157	240	89	693	664	166	4	.....	511	1,073	18	45	40	48
Laporte.....	1,441	745	18	16	702	1,484	220	34	12	10	7	54	89	30	.....	.....	77	66	2	16	.....	.....
Lawrence.....	163	331	5	8	297	197	64	29	6	4	13	73	188	110	13	.....	231	30	6	.....	82	5
Madison.....	820	1,124	37	12	1,174	1,040	137	64	32	16	40	61	238	18	.....	1	64	235	20	.....	5	7
Marion.....	2,877	5,609	196	8	5,456	3,343	959	291	187	103	294	15	40	12	.....	.....	1,229	27	.....	.....	.....	.....
Marshall.....	271	231	2	3	245	257	93	19	5	3	8	15	40	4	.....	.....	28	27	3	.....	1	3

Martin.....	88	134	2	3	142	80	26	6	7	6	3	12	69	21	45	36	.....	12
Miami.....	255	305	14	22	355	205	86	19	18	1	18	52	92	38	69	75	.....	9
Monroe.....	184	191	3	10	217	165	62	21	18	11	7	76	95	68	123	48	.....	14
Montgomery.....	310	494	9	11	390	366	114	40	13	6	8	20	83	5	60	52	.....	2
Morgan.....	144	366	13	47	351	159	73	19	20	20	10	76	98	34	96	44	.....	6
Newton.....	90	129	9	17	94	133	39	10	12	5	5	9	24	8	17	16	.....	7
Noble.....	173	293	8	2	264	202	92	22	6	3	4	18	32	8	20	30	.....	1
Ohio.....	5	15	1	.....	15	5	5	5	.....	.....	4	9	15	7	11	13	.....	3
Orange.....	75	157	3	2	159	73	39	18	2	.....	4	45	65	34	63	47	.....	3
Owen.....	67	145	16	12	153	59	47	19	8	5	6	.....	69	12	45	24	.....	24
Parke.....	135	218	4	5	221	132	54	26	3	2	5	16	79	15	49	46	.....	2
Perry.....	11	76	3	1	68	33	30	17	4	2	4	73	63	20	41	95	.....	6
Pike.....	55	238	4	14	237	56	40	22	9	4	5	34	108	15	85	57	.....	4
Porter.....	532	560	20	159	468	624	69	16	4	7	9	75	74	24	62	87	.....	19
Posy.....	111	189	15	13	185	115	38	23	2	10	10	3	96	7	69	30	.....	28
Pulaski.....	149	369	12	8	350	212	88	21	10	7	10	48	108	30	127	52	.....	40
Putnam.....	17	161	6	3	132	156	52	11	12	2	9	18	18	7	13	23	.....	2
Randolph.....	217	296	5	25	330	183	77	42	17	11	6	10	171	21	126	48	.....	48
Ripley.....	25	111	17	4	101	24	37	16	5	2	6	43	107	50	102	48	.....	23
Rush.....	149	369	12	8	350	212	88	21	10	7	10	19	24	9	85	22	.....	19
St. Joseph.....	1,201	1,880	34	10	1,862	1,263	274	79	58	10	46	53	244	76	108	97	.....	6
Scott.....	59	63	3	3	83	39	23	12	4	2	6	18	45	15	34	29	.....	5
Shelby.....	138	364	9	56	324	198	99	19	7	5	10	26	75	8	52	49	.....	15
Spencer.....	70	129	5	11	124	99	41	14	2	2	.....	22	202	6	41	277	.....	7
Starke.....	196	210	4	4	179	206	24	7	11	8	2	37	83	36	60	60	.....	2
Steuben.....	102	159	5	.....	203	58	59	10	7	3	.....	6	41	18	34	13	.....	6
Sullivan.....	197	468	20	54	437	228	61	32	6	3	15	20	170	52	150	40	.....	41
Switzerland.....	12	42	2	2	302	134	14	8	.....	1	3	8	68	6	32	4	.....	2
Tippecanoe.....	753	657	10	17	739	671	182	32	20	1	13	67	68	60	73	62	.....	2
Tipton.....	168	270	9	19	307	131	50	20	.....	3	6	.....	65	33	52	13	.....	3
Union.....	29	67	.....	1	63	33	63	11	.....	.....	8	5	24	1	13	16	.....	1
Vanderburgh.....	570	1,389	30	17	1,302	657	188	67	19	18	58	30	320	106	236	90	.....	4
Vermillion.....	193	399	19	7	376	224	68	23	11	.....	11	78	77	83	113	35	.....	7
Vigo.....	1,727	2,580	56	19	2,924	1,383	237	71	44	12	64	207	523	265	447	283	.....	10
Wabash.....	298	404	11	11	370	332	62	31	7	3	10	17	83	22	70	30	.....	4
Warren.....	91	203	5	6	188	112	56	16	2	2	3	13	40	16	20	21	.....	3
Warrick.....	122	236	4	10	258	100	46	19	3	5	8	11	95	32	79	27	.....	25
Washington.....	52	127	4	5	118	61	40	9	12	8	3	15	40	15	36	19	.....	1
Wayne.....	289	517	8	6	580	217	152	45	23	8	23	25	217	102	137	45	.....	7
Wells.....	239	386	6	15	361	264	102	26	4	2	4	26	31	4	25	32	.....	1
White.....	104	337	25	8	267	234	57	19	6	3	8	11	48	25	48	11	.....	7
Whitley.....	155	282	4	8	216	221	75	19	3	2	7	15	31	4	20	26	.....	1

MARRIAGE AND DIVORCE, 1921—COUNTY CLERKS' REPORTS

COUNTIES	Abandonment		Adultery		Criminal Conviction		Cruel Treatment		Drunkenness		Failure to Provide		Other Causes		Totals		Number Marriage Licenses Issued
	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	
State Total.....	755	439	274	252	84	9	2,245	801	147	3	824	5	223	193	4,552	1,702	36,753
Adams.....		6					7								7	6	180
Allen.....	5	1					9								14	1	1,085
Bartholomew.....	2	1	9	5			5	1			14		3	2	33	9	221
Benton.....	6	1					6		1		3		2		18	1	81
Blackford.....	3	5		1			14	5			6				23	11	108
Boone.....	2	4					18	4			2				22	8	187
Brown.....	5	1													5	1	50
Carroll.....	1	6					6						3	2	12	8	137
Cass.....		2						7			28				28	9	337
Clark.....	8	3					12	7			2	1	2	2	24	13	2,699
Clay.....	3	2		1			43	16			2				48	19	391
Clinton.....	6	3	4	3	2		46	25	2		8				68	31	269
Crawford.....	4	3					11	5							15	8	112
Daviess.....		1					21	12			2		1		24	13	221
Dearborn.....	2	4		2			4	1			2				8	7	228
Decatur.....	5	2	1	2			5	1			6				17	5	166
Dekalb.....	6	4		1	1		17	9							25	14	183
Delaware.....	19	21	18	29	1		146	33	4		26		34	14	248	97	625
Dubois.....	2	1	4	1					2		1				9	3	153
Elkhart.....	12	9	3	5	7		70	26	1		28				121	40	553
Fayette.....	2	3					43	15			1				46	18	151
Floyd.....	18	9	6	10	6		30	9	2		20		4	3	86	31	383
Fountain.....	5	6					26	8							31	14	256
Franklin.....	2	1		1							2		3	1	7	2	99
Fulton.....	6	1					4		1		2		1		14	2	106

*Does not include Superior Court.

Gibson.....	25	20	11	10	3	60	3	4	50	30	7	30	280
Grant.....	25	2	2	6	1	31	11	.....	36	3	150	36	532
Greene.....	6	2	2	2	.....	24	10	.....	9	.....	47	19	351
Hamilton.....	3	2	2	2	.....	24	10	.....	7	3	40	14	228
Harcock.....	5	7	4	2	.....	20	.....	.....	5	13	34	22	228
Harrison.....	11	4	.....	.....	.....	6	.....	.....	4	.....	21	4	114
Hendricks.....	3	2	.....	.....	.....	16	5	.....	1	.....	20	8	191
Henry.....	10	3	3	.....	3	43	8	.....	5	.....	66	11	240
Howard.....	17	8	2	9	1	49	13	2	22	1	103	32	452
Huntington.....	9	5	3	3	.....	27	8	1	3	4	44	17	243
Jackson.....	7	2	2	2	.....	20	5	.....	10	.....	39	9	192
Jasper.....	3	1	.....	.....	.....	4	.....	.....	3	.....	14	1	244
Jay.....	6	2	4	7	1	15	2	.....	5	4	31	11	174
Jefferson.....	1	6	1	1	1	19	10	.....	6	.....	28	17	238
Jennings.....	.....	.....	.....	.....	.....	10	7	.....	2	.....	12	7	110
Johnson.....	5	3	8	6	1	17	17	1	10	.....	29	17	274
Knox.....	4	.....	10	3	.....	25	24	9	12	6	70	39	537
Kosciusko.....	7	1	3	.....	.....	19	1	.....	3	3	39	4	110
Lagrange.....	41	25	24	24	2	91	73	20	25	7	21	2	89
Lake.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	210	145	5,082
Laporte.....	15	11	6	5	1	31	5	5	12	2	70	23	529
Lawrence.....	12	11	2	6	.....	16	12	.....	14	1	46	31	325
Madison.....	44	26	9	11	.....	95	22	.....	92	5	245	64	698
Marion†.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,450
Marshall.....	1	.....	1	.....	.....	30	5	.....	5	1	38	7	1,836
Martin.....	1	1	.....	1	.....	2	.....	.....	2	.....	5	2	110
Miami.....	6	4	2	3	1	39	12	.....	17	.....	64	17	262
Monroe.....	8	2	3	1	2	30	7	8	11	7	62	10	303
Montgomery.....	1	1	.....	1	.....	40	8	.....	1	.....	43	9	279
Morgan.....	3	12	1	.....	.....	11	3	.....	13	1	28	17	45
Newton.....	4	2	.....	.....	.....	.....	.....	.....	.....	.....	4	2	71
Noble.....	5	3	1	5	1	18	8	.....	9	.....	34	16	156
Ohio.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	1	54	54
Orange.....	3	4	.....	4	.....	7	5	.....	7	.....	17	13	149
Owen.....	1	3	.....	.....	.....	6	1	1	.....	.....	8	4	116
Parke.....	21	12	5	2	.....	18	6	.....	5	3	52	22	148
Perry.....	6	4	.....	2	1	6	1	.....	1	2	14	7	201
Pike.....	6	6	3	1	1	9	6	.....	5	6	21	13	167
Porter.....	7	3	2	3	3	10	10	.....	4	.....	26	16	352
Possey.....	10	2	.....	1	.....	2	.....	.....	3	5	20	3	275

†Marion county—Causes not separated; Total number 1,836.

MARRIAGE AND DIVORCE, 1921—COUNTY CLERKS' REPORTS—Continued

COUNTIES	Abandonment		Adultery		Criminal Conviction		Cruel Treatment		Drunkenness		Failure to Provide		Other Causes		Totals		Number Marriage Licenses Issued
	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	To Wife	To Husband	
Pulaski.....	4	3			1		2	2							7	5	104
Putnam.....			2		1		16	6					2		21	6	217
Randolph.....	6	2					26	2			4		1	2	37	7	228
Ripley.....	10	4	3			1	2	1					2	1	37	7	128
Rush.....	4	2			3		7	4			4		4	1	22	7	144
St. Joseph.....	76	12	24	21	11	4	116	47	13		37		7	6	284	90	1,303
Scott.....		2					3						1	1	4	3	113
Shelby.....	6	4	2	4	2		16	1	1		4		1		32	9	268
Spencer.....	2	2	1		1		8	2							12	4	384
Starke.....	7	3					1	2			9				17	5	90
Steuben.....	2	5					10	2							12	7	67
Sullivan.....	2	3		1	1		39	13			3				45	17	306
Switzerland.....	2						6	1			2				10	1	54
Tippecanoe.....	11	8	5	7	4		29	10	5		20	1	1	2	75	28	458
Tipton.....	4	1	1	1			10	2			2		3	1	20	5	165
Union.....	3	1	1	1			2		1		1		2		8	4	31
Vanderburgh.....	56	52	4	1	1	1	177	68	3		94		15	9	350	131	1,257
Vermillion.....	10	6	8		2		37	26	3		15		6	2	81	34	167
Vigo.....	60	10	50	30	10		200	75	50		25		46	49	441	164	1,548
Wabash.....	6	5	7	2	1		18	5	1		3				36	12	235
Warren.....	1	2	1				6								8	2	94
Warriek.....							10	15	4		8		12		34	15	171
Washington.....	1		1	1			7	2			1				10	3	140
Wayne.....	8	9	4	5			38	10		1	12				62	25	856
Wells.....	3	2	2				12	5	1		3		2		23	9	174
White.....		2					9	5					1		10	8	146
Whitley.....	5		2		1		19	1					1	1	28	2	115

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